

B. L. D. E. ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE
VIJAYAPUR



DEPARTMENT OF COMPUTER SCIENCE
REPORT OF STUDENTS SEMINARS
2022-23



B. L. D. E. ASSOCIATION'S



S. B. ARTS AND K. C. P. SCIENCE COLLEGE

Smt. Bangaramma Sajjan Campus, Shri B. M. Patil Road (Solapur Road), Vijayapur-586 103

Accredited with CGPA of 2.99 at 'B++' Grade in 4th Cycle by NAAC

(Affiliated to Rani Channamma University, Belagavi)

Phone: (08352) 262770, Extn. 2223, 2224

Website: www.bldeasbkcp.ac.in E-mail: bldeasbkcp@gmail.com

DEPARTMENT OF COMPUTER SCIENCE

NOTICE

The department is going to conduct Student Seminar for
B.Sc. III & V semester starts from 09/12/2022.

Head of the Department.
Department of Computer Science,
S.B. Arts & K.C.P. Science College,
VIJAYAPUR - 586 103.

IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

Principal,
S.B.Arts & KCP. Sc. College,
Vijayapur.



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DEPARTMENT OF COMPUTER SCIENCE

STUDENT'S LIST FOR THE SEMINAR 2022-23

Sl. No	Name of the Student	R.No	Class	DATE	Topic
1	Akash Handiganur	U15KM21S0414	III	14/12/22	Java Tokens
2	Ragini Dwivedi	U15KM21S0506	III	14/12/22	Looping in Java
3	Sahana Dhanashetti	U15KM21S0419	III	15/12/22	Math class in Java
4	Sakshi	U15KM21S0420	III	15/12/22	Method Overloading
5	Vishal S. Sarur	U15KM21S0412	III	15/12/22	Decision Making Statement in Java
6	Sahana Yatanur	S2028771	V	26/12/22	OSI Reference Model
7	Laxmi R. Patil	S2028669	V	26/12/22	Guided Media
8	Sindhu Basarakod	S2028841	V	28/12/22	Channelization
9	Pradeep Kanti	S2028618	V	28/12/22	Types of Computer Network
10	Vadiraj Kulkarni	S2028916	V	30/12/22	Topology & its Types
11	Madan Chandargi	S2028618	V	12/01/23	Multiplexing

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REPORT OF STUDENTS SEMINARS

Students from III & V semesters have been selected for the seminars that are good in academics and they have been given a particular topic to present.

Properly utilizing the advantages of seminar is to take seminar on their subject topics. We are conducting seminars of this type, which will help the students more to understand the subject this would give them a chance collect information about the seminar topic they are provided with.

The result is that they would learn the subject well. As they have to acquire knowledge about the subject of their own. So by conducting seminars in a proper and better way so that the students can interact in that, it will be the best and the most effective way to study. So seminars have an important role to play in the curriculum

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B.Sc.- IV & VI semester starts from 12/06/2023.

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DEPARTMENT OF COMPUTER SCIENCE Student Seminar List 2022-2023

Sl. No	Name of the Student	R.No	Class	DATE	Topic
1	Kavy Umadi	U15KM21S0501	IV	01/07/23	Data Models
2	Shreedhar Kumathalli	U15KM21S0254	IV	28/06/23	Introduction of DBMS
3	Rahul Patil	U15KM21S0195	IV	28/06/23	Database Users
4	Sandeep Girigoudar	S2028776	VI	23/06/23	E-Governance
5	Vadiraj Kulkarni	S2028916	VI	16/06/23	Role of Cyber Laws in E-Commerce
6	Pramod Wali	S2028699	VI	22/06/23	Meaning of Computer
7	Prateek Kulkarni	S2028704	VI	22/06/23	International Technology Act(2000)
8	Sandeep Girigoudar	S2028776	VI	23/06/23	E-Governance


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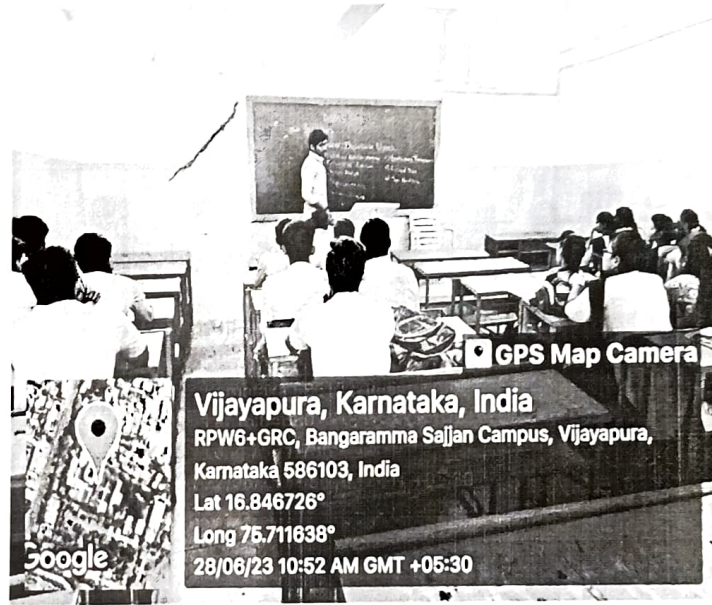
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Vijayapur

Seminar Paper

Topic :- Decision Making Statements
in Java.

Name :- Vishal. S. Sarur

Class :- B.Sc IIIrd Sem

UUCMS No :- U15KM2150412

Decision Making Statements In Java

We have a number of situations, where we may have to change the order of execution of statements based on certain conditions, or repeat a group of statements until certain specified conditions are met. This involves a kind of decision making to see whether a particular condition has occurred or not & then direct the computer to execute certain statements accordingly.

Types of Decision Making Statements :

There are basically 2 Types of Decision Making statements

- 1> Decision making with if statement
- 2> Decision making with switch statement.

In if statement again there are 4 types

- 1> Simple if statement
- 2> If-else statement
- 3> Nested else-if statement
- 4> Else-if ladder.

I. Decision Making with if statement

The if statement is a powerful decision making statement & is used to control the flow of execution of statements. It is basically a two way decision statement and is used in conjunction with an expression.

1) Simple-if statement:

Syntax:

```
if (test-condition)
{
    // statements ;
}
```

Example:

```
public class IfStatementDemo
{
    public static void main (String args[])
    {
        int i = 6 ;
        if ( i % 2 == 0 )
            System.out.println ("6 is divisible by 2");
    }
}
```

S.B.Arts and K.C.P.Science College Vijayapur (Karnataka)



Seminar Report

Name: Ragini Dwivedi

Class: B.Sc. 1st semester

Subject: Data Normalization (DBMS) CS

UUCMS No.: U15KM21S0506

Submitted to: Prof. L. A. Nuchhi Ma'am.

Date: 31/08/2023

Database Normalization

Database Normalization :-

Normalization is a database design technique that reduces data redundancy and eliminates undesirable characteristics like Insertion, Updation & Deletion Anomalies.

Normalization rules divides larger tables into smaller tables and links them using relationships. The purpose of Normalization in SQL is to eliminate redundant (repetitive) data and ensure data is stored logically.

* The inventor of the relational model Edgar Codd proposed the theory of normalization of data with the introduction of the first Normal Form, & he continued to extend theory with Second & Third Normal Form. Later he joined Raymond F. Boyce to develop the theory of Boyce-Codd Normal Form.

The list of Normal Forms in DBMS

- 1NF (First Normal Form)
- 2NF (Second Normal Form)
- 3NF (Third Normal Form)
- BCNF (Boyce - Codd Normal Form)
- 4NF (Fourth Normal Form)
- 5NF (Fifth Normal Form)
- 6NF (Sixth Normal Form)

* The theory of data Normalization in MySQL server is still being developed further.

Ex:-

Data normalization example can be easily understood with the help of a case study. Assume a video library maintains a database of movies rented out. Without any normalization in database, all information is stored in one table as shown below

Full Names	Physical Address	Movies Rented	Salutation
Net Jones	First Street Plot No. 4	The Social Network Clash of the Titans	Mr.
Robert Phil	3rd street 34	Hackers, Source Code	Mr.
Robert Phil	5th Avenue	Clash of the titans	Mr.

Here, you see Movies Rented column has multiple values.

1NF (First Normal Form) :-

Rules

- Each table cell should contain a single value.
- Each record needs to be unique.
(no multiple values of attributes).

Full Names	Physical Address	Movies Rented	Salutation
Net Jones	First street Plot No 4	The Social Network	Mr.
Net Jones	First street Plot No 4	Clash of the Titans	Mr.
Robert Phil	3rd street 34	Hackers	Mr.
Robert Phil	3rd street 34	Source Code	Mr.
Robert phil	5th Avenue	Source code	Mr.

2NF (Second Normal form):-

rules :-

- ①. It must be follow the rule of 1st ~~NF~~ NF.
- ②. No Partial dependency.
- ③ Only full dependency will be exist

If the proper subset of candidate key determines non-prime attribute, it is called partial dependency. The normalization of 1st NF relations 2NF involves the removal of partial dependencies.

Ex:- Consider a table as following below.

STUD-NO	COURSE-NO	COURSE-FEE
1	C ₁	1000
2	C ₂	1500
1	C ₄	2000
4	C ₃	1000
4	C ₁	1000
2	C ₅	2000

SB Arts & K.C.P Science
College

Name: Madan. Chandani

RCUB Seat no: S2028618

Class: BSC V sem

Topic: Multiplexing

Submitting date: 12/1/2023.

Faculting Name: Prof. Smt. L. A. Nuchhi

WEL-COME

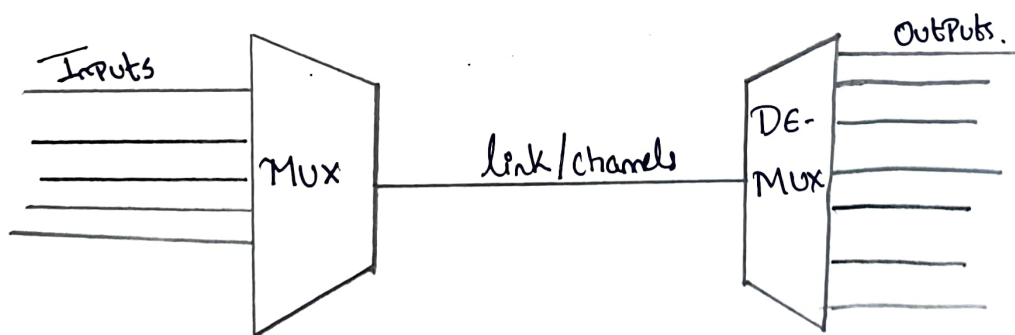
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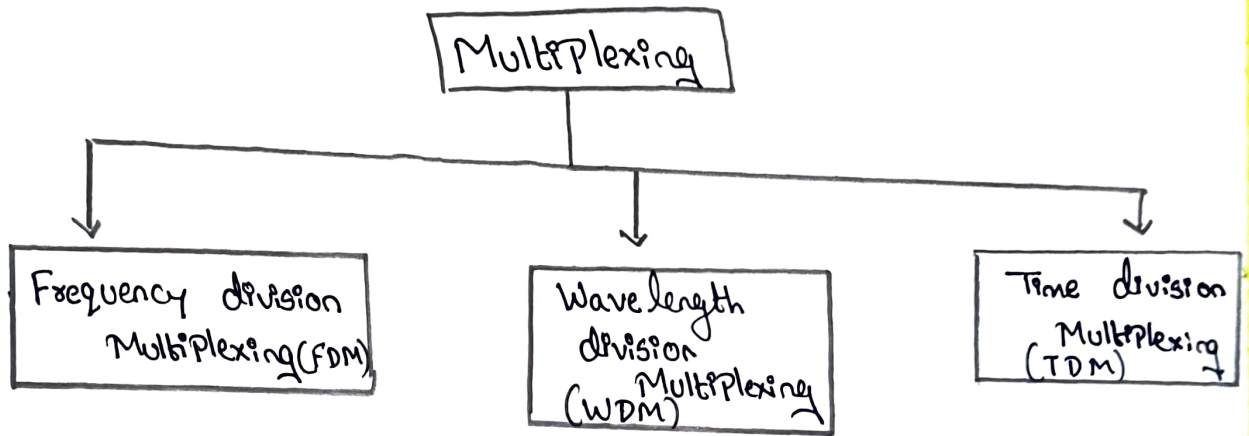
→ Multiplexing ←

It is a Computer Networking
Multiplexing is a method by which multiple analog or digital signals are combined into one signal over a shared medium.

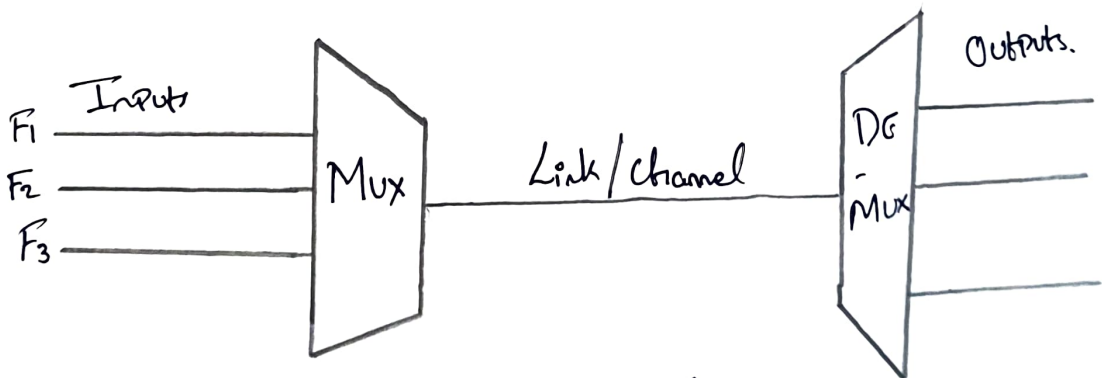
The aim is to share a scarce resource - a Physical transmission medium. For example in Telecommunication several telephone calls may be carried using one wire. Multiplexing originated in telegraphy in the 1870s, and now widely applied in communications.



→ Types of Multiplexing



→ Frequency - division Multiplexing:



It is inherently an analog technology. FDM achieves the combining of several signals into one medium by sending signals in several distinct frequency ranges over a single medium.

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S.B Arts and K.C.P Science College Vijayapur

Department of Computer Science

Name Soumya. G. Yalameli

Class B.Sc VI sem

RCU No 52028856

Roll no 263

Topic Name Directories and Tuples

Guided by Rajeshwari Hatagar

* Directories and Tuples.

Data Structure: In python Data structure are a way of organizing and storing the data.

Types of Data Structure.

- ① Built-in Data Structure.
- ② User-defined Data Structure.

① Built-in Data Structure.

- * List
- * Tuple
- * Dictionary

② User-defined Data Structure.

- * Stack
- * Linked list.
- * Tree etc.

* List :- A List is a collection of elements separated by comma (,) and enclosed within a square brackets.

Creating List

To create list, use the square brackets and add elements into it accordingly.

If you do not pass any elements inside the square brackets, you get an empty list as the output.

ex: List = []
print (List)
List = [1, 2, 3, 4]
print (List)

output:- []
[1, 2, 3, 4]

Indexing:- There are addresses assigned to every element of list which is called indexing.

① positive index:- The index value starts from 0 and goes on until the last element

② Negative index:- which starts from -1, to access the elements from the last to first.

Example:- List = [1, 2, 3, 4]
print (List[2])

output:- 3.

Adding New element to the list.

List = [1, 2, 3, 4]

List.append("5")

print (List)

output:- [1, 2, 3, 4, 5]

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COLLEGE VITAYAPUR.

SEMINAR REPORT
2022/2023

TOPIC: ROLE OF CYBER LAWS IN E-COMMERCE.

NAME: VADIRAJ -B- KULKARNI

CLASS: BSC VI SEM

REG NO: S2028916

SUB: CYBER LAWS.

FACULTY NAME: PROF. SMT. L.A. NUCHHI

Seminar Report

Name: Vadinaj-B-K

Class: BSC VI

Sub: Cyber Laws

Topic - "Role of Cyber laws in E-Commerce"

⇒ E-Commerce:

E-Commerce, short for electronic commerce, refers to the buying & selling of goods & services over the internet or through electronic means. Cyber laws encompass various legal aspects of e-commerce to ensure its proper functioning, consumer protection, data privacy, & security. Here are some key considerations related to e-commerce within the framework of cyber laws.

(i) Legal Recognition:

Cyber laws, such as the Information Technology Act, 2008 (IT Act) in India, provide legal recognition to electronic records & digital signatures. This means that electronic contracts & transaction conducted online have the same legal validity as traditional paper-based contracts.

(ii) Online Contracting:

Cyber laws establish the legal framework for online contracting, including the formation, validity & enforceability of contracts entered into electronically. They address issues

such as offer and acceptance, terms and conditions, methods of communication, and dispute resolution mechanisms for e-commerce transactions.

(iii) Consumer Protection -

Cyber laws typically include provisions to protect the rights and interests of consumers engaging in e-commerce. They cover aspects such as disclosure of information, unfair trade practices, consumer remedies, and dispute resolution mechanisms. These laws aim to ensure transparency, fairness and consumer confidence in online transactions.

(iv) Data Protection & Privacy :-

E-Commerce involves the collection, storage and processing of personal data. Cyber laws often include provisions related to data protection & privacy, outlining the obligations of e-commerce entities in handling personal information. These provisions may include consent requirements, data security measures, and the right of individuals to access and correct their personal data.

(v) Electronic Payments :

Cyber laws govern electronic payment systems & provide legal frameworks for secure online transactions. They may address issues related to digital payment methods, payment gateways, electronic fund transfer, and the liability of parties involved in the payment process.

(vi) Intellectual Property Rights :

E-Commerce often involves the creation, distribution, & sale of digital content, products & services. Cyber laws protect intellectual property rights, including copyrights, trademarks & patents, to ensure that online transactions comply with the relevant intellectual property laws & regulations.

(vii) Cyber Security -

E-commerce platforms & online businesses face various cybersecurity threats, including hacking, data breaches, and unauthorized access. Cyber laws establish legal requirements for data security, breach notification & measures to protect the integrity & confidentiality of online transactions.