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Experiment Title – 2.4

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BRANCH – CSE BTECH

SEC – WM 902 B

SUB JAVA LAB

1. Aim/Overview of the practical: Employee Management System Create

a menu based Java application with the following options.

- 1. Add an Employee
- 2. Display All
- 3. Exit

If option 1 is selected, the application should gather details of the employee like

employee name, employee id, designation and salary and store it in a file.

If option 2 is selected, the application should display all the employee details.

If option 3 is selected the application should exit.

2. Software/Hardware Requirements: IntelliJ

3. Algorithm/pseudo code:

Step1: Start execution.

Step2: Declare 4 ArrayList to store employee name, empoyee id, designation and salary.

Step3: Using the constructor add values to the arraylist.

Step4: Make a display function to Display the contents of each arraylist using a for loop.

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Step5: In main function take choices as input inside a switch statement.

Step6: Call the relevant functions as per the entered choices.

Step7: Stop execution.

4. Steps for experiment/practical/Code:

package com.chirag;

import java.util.*; public

class Exp24

{

```
static ArrayList<String> empName = new ArrayList<>();
static ArrayList<String> eid = new ArrayList<>(); static
ArrayList<String> designation = new ArrayList<>(); static
ArrayList<Integer> salary = new ArrayList<>(); public
static class Employee{
```

public void addData(String name1, String eid1, String designation1, int
salary1){

```
empName.add(name1);
```

eid.add(eid1);

```
designation.add(designation1);
salary.add(salary1);
```

```
}
```



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```
public void display(){
    for (int i = 0; i < empName.size(); i++){
        System.out.println("Name: " + empName.get(i));
        System.out.println("Employee ID : " + eid.get(i));
        System.out.println("Designation: " + designation.get(i));
        System.out.println("Salary: " + salary.get(i));
    }
}</pre>
```

public static void main(String[] args) {

```
Scanner in = new Scanner(System.in);
```

while(true){

System.out.println("Enter Choices: "); System.out.println("1. Add Employee"); System.out.println("2. Display"); System.out.println("3. Exit");

```
int choices = in.nextInt();
```



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Employee emp = new Employee();

switch(choices){

case 1:

System.out.println("Enter your Name: ");

String name = in.next();

System.out.println("Enter your Designation: ");

String designation = in.next();

System.out.println("Enter your Eid: ");

String eid = in.next();

System.out.println("Enter your Salary: ");

```
int salary = in.nextInt();
```

emp.addData(name, eid, designation,

salary);	continue;	case 2:

emp.display();

continue; case 3: return; } }

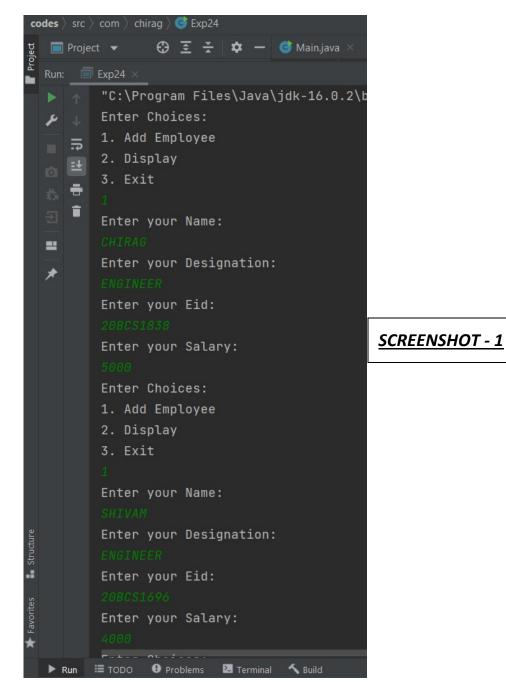


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}

}

5. Result/Output/Writing Summary:





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Enter Choices: 1. Add Employee 2. Display 3. Exit Name: CHIRAG Employee ID : 20BCS1838 Designation: ENGINEER Salary: 5000 Name: SHIVAM Employee ID : 20BCS1696 Designation: ENGINEER Salary: 4000 Enter Choices: 1. Add Employee 2. Display 3. Exit

Process finished with exit code 0

Learning outcomes (What I have learnt):

- 1. Learned about ArrayList.
- 2. Learned about Switch Statement
- 3. Learned about ArrayList Travesal.

<u>SCREENSHOT - 2</u>