UNIVERSITY INSTITUTE OF ENGINEERING

Department of Computer Science & Engineering

Subject Name:

Subject Code: 20CSP 321

Submitted to:

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Submitted by:

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Section:20BCS_WM-702

Group: A

INDEX

Ex. No	List of Experiments	Date	Conduct (MM: 12)	Viva (MM: 10)	Record (MM: 8)	Total (MM: 30)	Remarks/ Signature
1.1	Create an application to save the employees information using arrays						
1.2							
1.3							
2.1							
2.2							
2.3							
2.4							
3.1							
3.2							
3.3							

Experiment 1

Student Name: Rajiv Paul   **UID:**20BCS1812

Branch:CSE   **Section/Group:**702A

Semester: 5th   **Date of Performance:** 16/8/2022

Subject Name:PBLJ Lab   **Subject Code:** 20CSP 321

1. **Aim:**

To create an application to save the employees information using arrays.

2. Requirements:

Software:

    IntelliJ IDEA, JDK,MacOs,Netbeans

Hardware:

    Macbook(Laptop)

    Ram:4GB(Minimum)

    Processor: M1

3. Code:

package **com.PBLJ;**

import java.util.*;

class Project_1

```
{
public static void main(String[] args)

{
int[] empno ={1001,1002,1003,1004,1005,1006,1007};
String[]empname={"Ashish","Sushma","Rahul","Chahat","Ranjan","Suman",

"Tanmay"};

String[] designation_code = {"e","c","k","r","m","e","c"};
String[]department={"R&D","PM","Acct","FrontDesk","Engg","Manufacturing
","PM"};
```

```java
int[] basic ={20000,30000,10000,12000,50000,23000,29000};
int[] hra ={8000,12000,8000,6000,20000,9000,12000};
int[] it ={3000,9000,1000,2000,20000,4400,10000};

String []designation_code_={"e","c","k","r","m"};
String[]designation={"Engineer","Consultant","Clerk",

"Receptionist","Manager"};

Scanner sc=new Scanner(System.in);

System.out.print("Enter employee number : ");

int emp_number=sc.nextInt();

String[] designation_of_employee=new String[7];

int[] da=new int[7];

for(int a=0;a<7;a++)

{
switch (designation_code[a]) {

case "e" -> {
designation_of_employee[a] = "Engineer";

da[a] = 20000; }

case "c" -> {
designation_of_employee[a] = "Consultant";

da[a] = 32000; }

case "k" -> { designation_of_employee[a] = "Clerk";

da[a] = 12000; }

case "r" -> {
designation_of_employee[a] = "Receptionist";

da[a] = 15000; }

case "m" -> {
designation_of_employee[a] = "Manager";

da[a] = 40000; }

}

}
```

```java
for(int i=0;i<=7;i++)

{
if(i==7)

{

System.out.println("There is no employee with empid: "+emp_number);

break;

}

else if(empno[i]==emp_number)

{
salary = basic[i] + hra[i] + da[i] - it[I];

System.out.println("Emp no."+" "+"Emp Name"+" "+"Department"+" "+"Designation"+" "+"Salary");

System.out.print(empno[i]+" \t "+empname[i]+" \t"+department[i]+" \t\t"+designation_of_employee[i]+" \t\t"+salary[i]);

break; }

}

}

}
```

4. Output:

1.

```
Enter employee number : 1003

Emp no.   Emp Name   Department   Designation   Salary

1003      Rahul        Acct         Clerk        29000
```

2.

```
Enter employee number : 123

There is no employee with empid: 123
```

Learning outcomes (What I have learnt):

1. Learnt how to use multiple arrays in one java program.

2.Learn about difference between simple and parameterized function.