

Experiment 1.1

Student Name: Aayush Gurung

UID: 20BCS5323

Branch: CSE

Section/Group: 607-A

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Subject Name: PBLJ Lab

Subject Code: 20CSP321

- 1. Aim/Overview of the practical:** Create a application to save the employee information using arrays
- 2. Software/Hardware Requirements:** Eclipse IDE-(Java), Netbeans
- 3. Steps for experiment/practical/Code:**

```
//Aayush Gurung 20BCS5323
import java.util.*;
public class Main {
    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[] Joindata=
{"01/04/2009","23/08/2008","12/11/2008","29/01/2013","16/07/2005","1/1/2000","12/06/2006"};
        char[] desigcode= {'e','c','k','r','m','e','c'};
        String[] dept= {"R&D","PM","Acct","Front
desk","Engg","Manufacturing","PM"};
        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};

        Scanner sc=new Scanner(System.in);
        System.out.print("Enter the id of the employee: ");
```

```
int a=sc.nextInt();
int k=a-1001;
if(k<0) {
    System.out.println("Invalid Id");
}
switch(designcode[k]) {
case 'e':
{
    String design="Engineer";
    int salary=basic[k]+hra[k]+20000-it[k];
    System.out.println("Emp No.: "+empno[k]);
    System.out.println("Emp Name: "+Empname[k]);
    System.out.println("Department: "+dept[k]);
    System.out.println("Designation: "+design);
    System.out.println("Salary: "+salary);
break;
}
case 'c':
{
    String design="Consultant";
    int salary=basic[k]+hra[k]+32000-it[k];
    System.out.println("Emp No.: "+empno[k]);
    System.out.println("Emp Name: "+Empname[k]);
    System.out.println("Department: "+dept[k]);
    System.out.println("Designation: "+design);
    System.out.println("Salary: "+salary);
break;
}
case 'k':
{
    String design="Clerk";
    int salary=basic[k]+hra[k]+12000-it[k];
    System.out.println("Emp No.: "+empno[k]);
    System.out.println("Emp Name: "+Empname[k]);
    System.out.println("Department: "+dept[k]);
    System.out.println("Designation: "+design);
    System.out.println("Salary: "+salary);
break;
}
```

```
}  
case 'r':  
{  
    String desig="Receptionist";  
    int salary=basic[k]+hra[k]+15000-it[k];  
        System.out.println("Emp No.: "+empno[k]);  
        System.out.println("Emp Name: "+Empname[k]);  
        System.out.println("Department: "+dept[k]);  
        System.out.println("Designation: "+desig);  
        System.out.println("Salary: "+salary);  
  
    break;  
}  
case 'm':  
{  
    String desig="Manager";  
    int salary=basic[k]+hra[k]+40000-it[k];  
  
    System.out.println("Emp No.: "+empno[k]);  
    System.out.println("Emp Name: "+Empname[k]);  
    System.out.println("Department: "+dept[k]);  
    System.out.println("Designation: "+desig);  
    System.out.println("Salary: "+salary);  
  
    break;  
}  
}  
}
```

4. Result/Output/Writing Summary:

```
Enter the id of the employee: 1005
Emp No.: 1005
Emp Name: Ranjan
Department: Engg
Designation: Manager
Salary: 90000

...Program finished with exit code 0
Press ENTER to exit console.
```

Learning outcomes (What I have learnt):

1. I learnt the OOPS concepts of java thoroughly.
2. Got to know more about the control flow of the Code.