Experiment 1

Project Based Learning in Java Lab(CSP-338)

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Subject Name: *PBLJ LAB*	**Subject Code:** *20CSP-321*

AIM: Create an application to save the employee information using arrays.

CODE:

```java
public class Main
{
        public static void main(String[] args) {
                int empno[] = {1001,1002,1003,1004,1005,1006,1007};

        String name[]={"Ashish","Sushma","Rahul","Chahat","Ranjan","Suman","Tanmay"};

            String
JoinDate[]={"01/04/2009","23/08/2012","12/11/2008","29/01/2013","16/07/2005","1/1/2000","12/06/
2006"};

            char d_code [] = {'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};
            String designation = null;
            int da=0;
            int salary = 0;
            int index = -1;
            int emp= 1002;


    for(int i=0;i<empno.length;i++)
    {
            if (empno[i]==emp)
            {
                    index=i;
            }
    }
    if (index==-1)
```

```java
        {
                System.out.println("There is no such employee." +emp);
        }

        else
        {
          char code;
          code=d_code[index];
          switch(code)
          {
          case'e':
                designation="Engineer";
                da=20000;
                break;
          case'c':
                designation="Consultant";
                da=32000;
                break;
          case'k':
                designation="Clerk";
                da=12000;
                break;
          case'r':
                designation="Receptonist";
                da=15000;
                break;
          case'm':
                designation="Manager";
                da=40000;
                break;
          default:
                designation="Invalid";
                da=0;
          }
          salary=basic[index]+ hra[index]+da-it[index];
          System.out.println("Emp No"    +"    "+"Emp Name" +"   "+"Department"+"   "+"Designation"+"     "+"Salary");

          System.out.println(empno[index]+"       "+name[index]+"      "+dept[index] +"   "+designation  +"          "+salary);

    }
```
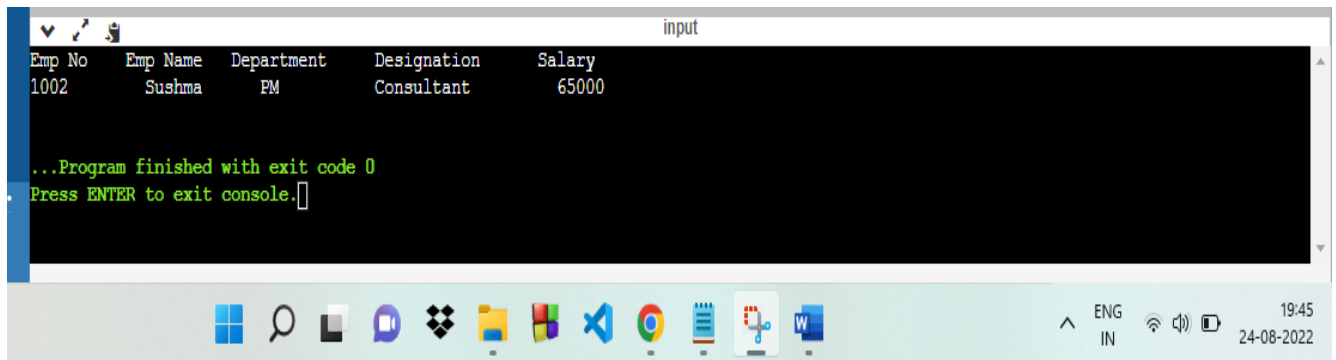
Output

Emp No   Emp Name   Department   Designation   Salary
1002   Sushma   PM   Consultant   65000

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

Emp No   Emp Name   Department   Designation   Salary
1007   Tanmay   Manufacturing   Consultant   63000

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