



## Experiment1.1

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**Subject Name:** JAVA

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**1. Aim:** Create an application to save the employee information using arrays.

**2. Objective:** Develop an application using arrays to efficiently manage employee information, allowing users to input, store, retrieve, and modify data with a user-friendly interface, while implementing error handling for data consistency and reliability.

### **3. Program Code:**

```
import java.util.*;
class Lab1
{
    public static void main(String... args)
    {
        int empno[]={1001,1002,1003,1004,1005,1006,1007};
        String empname[]={"Pranshu Mishra","Rudra","Vipul","Parv","Ram","Lucky","Tanmay"};
        String designationcode[]={"e","c","k","r","m","e","c"};
        String department[]={"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 designationcodemean[]={"e","c","k","r","m"};
```

```
String
designation[]={"Engineer","Consultant","Clerk","Receptionist","Manager"};
int da[]={20000,32000,12000,15000,40000};
Scanner sc=new Scanner(System.in);
System.out.println("Enter employee number : ");
int empnumber=sc.nextInt();
String designationofemployee[];
designationofemployee=new String[7];
int da_sal[];
da_sal=new int[7];
int salary[];
salary=new int[7];
for(int a=0;a<7;a++)
{
    if(designationcode[a]=="e")
    {
        designationofemployee[a]="Engineer";
        da_sal[a]=20000;
    }
    else if(designationcode[a]=="c")
    {
        designationofemployee[a]="Consultant";
        da_sal[a]=32000;
    }
    else if(designationcode[a]=="k")
    {
        designationofemployee[a]="Clerk";
        da_sal[a]=12000;
    }
    else if(designationcode[a]=="r")
    {
        designationofemployee[a]="Receptionist";
```

```
        da_sal[a]=15000;
    }
    else if(designationcode[a]=="m")
    {
        designationofemployee[a]="Manager";
        da_sal[a]=40000;
    }
}
for(int b=0;b<7;b++)
{
    salary[b] = basic[b] + hra[b] + da_sal[b] - it[b];
}

for(int i=0;i<=7;i++)
{
    if(i==7)
    {
        System.out.println("there is no employee with empid:
"+empnumber);
        break;
    }
    else if(empno[i]==empnumber)
    {
        System.out.print(empno[i]+"          "+empname[i]+"
"+department[i]+" "+designationofemployee[i]+" "+salary[i]);
        break;
    }
}
}
}
```

## 4. Output:

```
java -cp /tmp/3lN9H90aQG Lab1
Enter employee number : 1001
1001 Pranshu Mishra R&D Engineer 45000
```

**Output 1**

```
java -cp /tmp/3lN9H90aQG Lab1
Enter employee number :
1004
1004 Parv Front Desk Receptionist 31000
```

**Output 2**

## 5. Learning Outcomes:

- Learn the concept of JAVA.
- Learn about arrays in JAVA.
- Learn about conditional statements.
- Learn about User Input and Output.
- Learn different data-types.