

## Experiment 1

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**Name:** PBLJ LAB

**Subject Code:** 20CSP-321

### 1. Aim:

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

### 2. Software Requirements:

IntelliJ IDEA, JDK

Macbook(Laptop)

### 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","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_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;
        }
    }
}

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
```

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**Learning outcomes (What I have learnt):**

1. Learnt how to use multiple arrays in one java program.
- 2.
- 3.
- 4.
- 5.