

**CHANDIGARH UNIVERSITY**  
**UNIVERSITY INSTITUTE OF ENGINEERING**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**



Submitted By: Yash Kumar		Submitted To: Ma'am Neeru Sharma	
Subject Name	Project based learning in Java lab		
Subject Code	20CSP-321		
Branch	Computer Science		
Semester	5 <sup>th</sup> Semester		

## LAB INDEX

Sr. No.	Program	Date	Evaluation				Sign.
			LW (12)	VV (10)	FW (8)	Total (30)	
01.	Create a application to save the employee information using arrays.	20/08/2022					

## Experiment Title - 01

**Student Name: Yash Kumar**

**UID: 20BCS9256**

**Branch: CSE**

**Section/Group: 616 'B'**

**Semester: 5<sup>th</sup>**

**Date of Performance: 20/08/2022**

**Subject Name: Project based learning in Java lab**

**Subject Code: 20CSP-321**

### 1. Aim

Create a application to save the employee information using arrays.

### 2. Software Requirements: Eclipse IDE

### 3. Code

```
package exp.one;
```

```
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 = Integer.parseInt(args[0]);

for (int i = 0; i < empno.length; i++) {
    if (empno[i] == emp) {
        index = i;
    }
}
if (index == -1) {
    System.out.println("There is no such employee with Emp Id: " + 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 = "Receptionist";
            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);

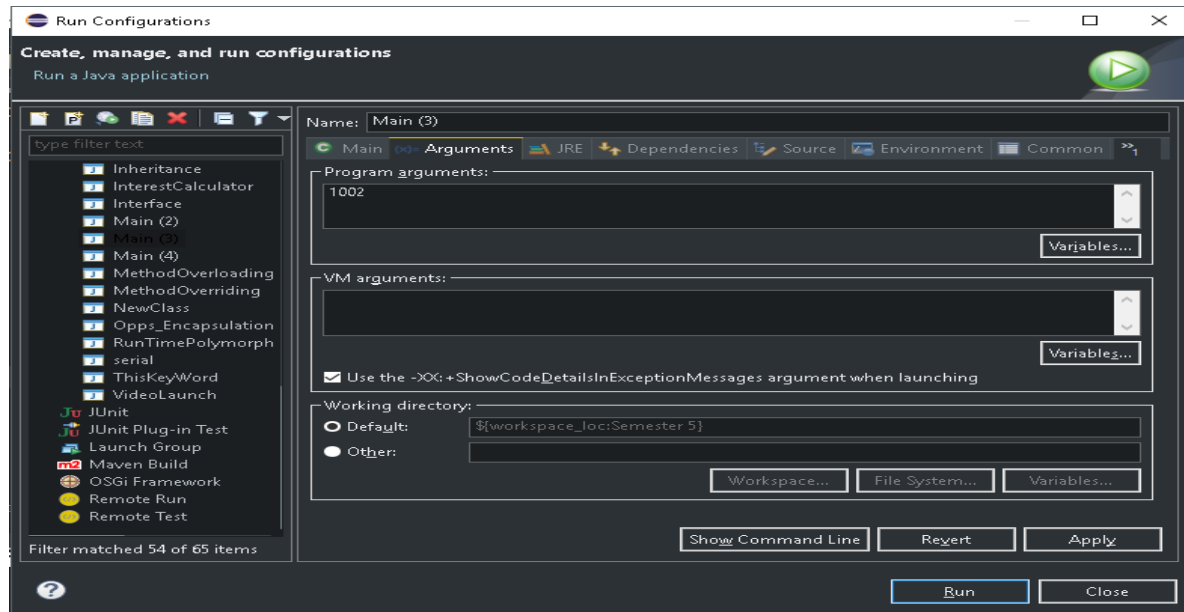
    }

}
}
}

```

## 4. Output

- 1002

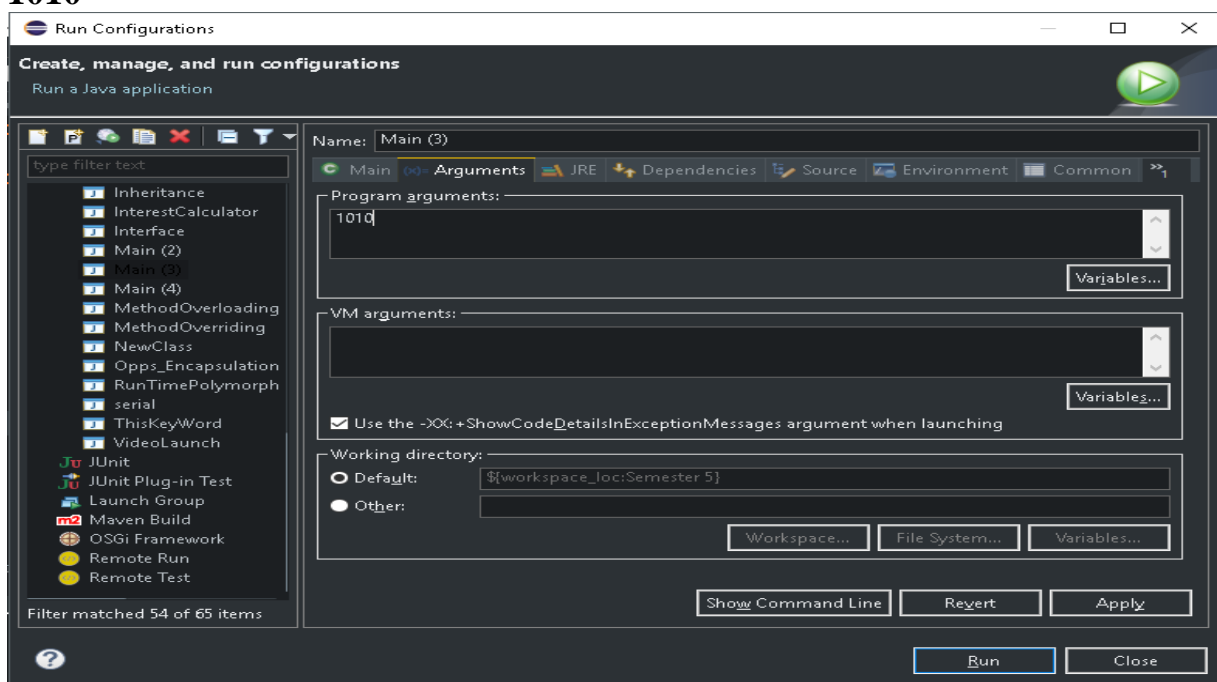


```

Console | Progress | Coverage
<terminated> Main (3) [Java Application] C:\Program Files\Eclipse Foundation\jdk-16.0.2.7-hotspot\bin\javaw.exe (31-Aug-2022, 11:25:57 pm - 11:25:58 pm)

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

## • 1010



```

Console | Progress | Coverage
<terminated> Main (3) [Java Application] C:\Program Files\Eclipse Foundation\jdk-16.0.2.7-hotspot\bin\javaw.exe (31-Aug-2022, 11:28:05 pm - 11:28:07 pm)

There is no such employee with Emp Id: 1010
  
```