



DEPARTMENT OF ACADEMIC AFFAIRS

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LAB INDEX

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UID: 21BCS8197

SECTION: 20BCS_WM-616/A

SUBJECT NAME: PBLJ (Lab)

SUBJECT CODE: 20CSP-321

Sr. No	Program	Date	Evaluation				Sign
			LW (12)	VV (10)	FW (8)	Total (30)	
1.	Create an application to save the employee information using arrays.	16/08/2022					



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**NAAC
GRADE A+**
ACCREDITED UNIVERSITY

CHANDIGARH UNIVERSITY

UNIVERSITY INSTITUTE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Submitted By: Sahil Kaundal		Submitted To: Neeru Sharma	
Subject Name	Programming Based Learning Java (Lab)		
Subject Code	20CSP-321		
Branch	Computer Science Engineering		
Semester	5th		



Experiment 1

Student Name: Sahil Kaundal
Branch: BE CSE (Lateral Entry)
Semester: 5th
Subject Name: PBLJ Lab

UID: 21BCS8197
Section/Group: 616/A
Date of Performance: 16/08/2022
Subject Code: 20CSP-321

1. Aim/Overview of the practical:

Create an application to save the employee information using arrays.

2. Apparatus / Simulator Used:

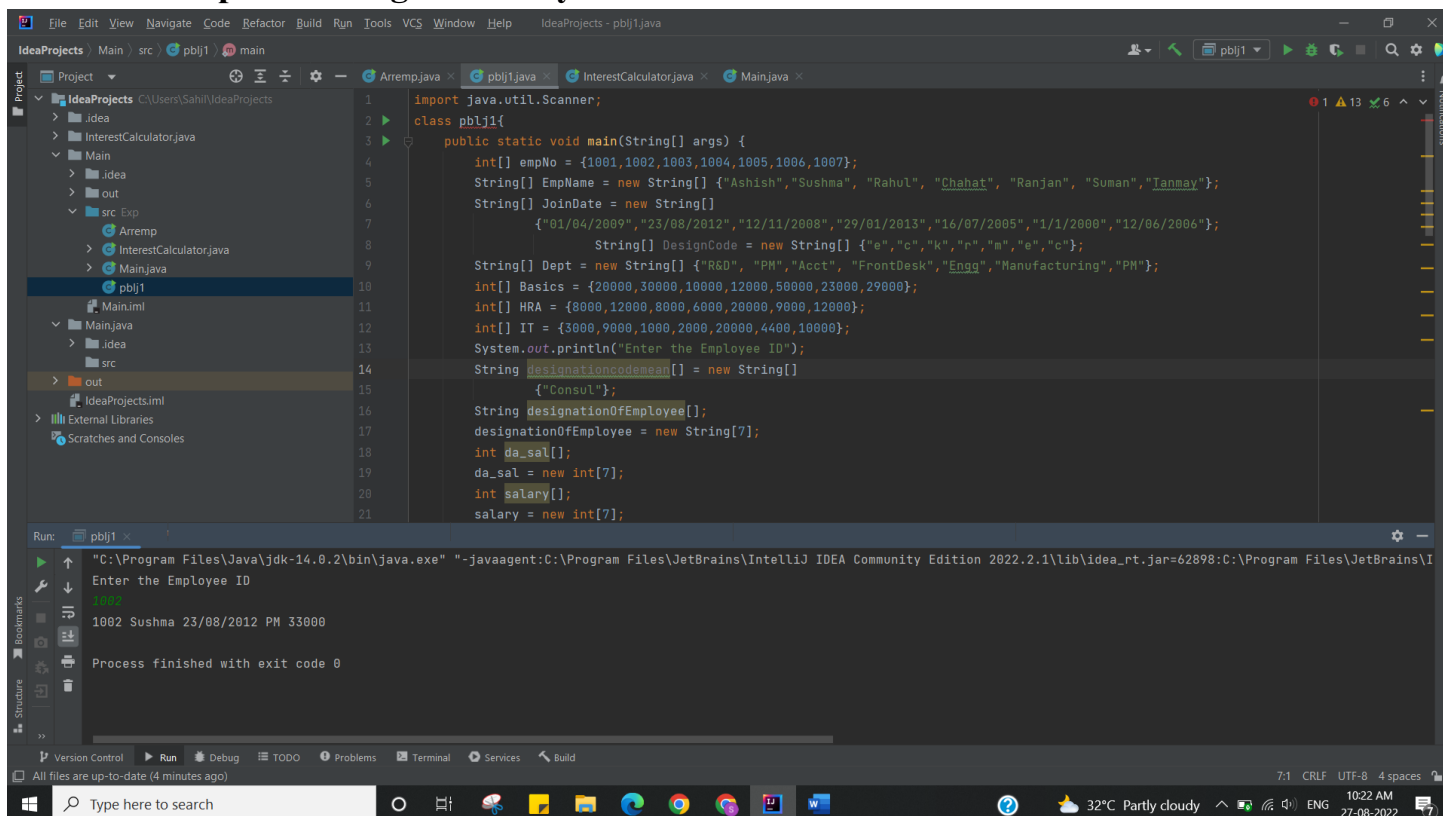
1. Eclipse IDE - (Java)
2. NetBeans.

3. Programs:

```
import java.util.Scanner;
class pblj1{
    public static void main(String[] args) {
        int[] empNo = {1001,1002,1003,1004,1005,1006,1007};
        String[] EmpName = new String[] {"Ashish","Sushma", "Rahul", "Chahat", "Ranjan",
        "Suman","Tanmay"};
        String[] JoinDate = new String[]
{"01/04/2009","23/08/2012","12/11/2008","29/01/2013","16/07/2005","1/1/2000","12/06/2006"};
        String[] DesignCode = new String[] {"e","c","k","r","m","e","c"};
        String[] Dept = new String[] {"R&D", "PM","Acct",
        "FrontDesk","Engg","Manufacturing","PM"};
        int[] Basics = {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};
        System.out.println("Enter the Employee ID");
        String designationcodemean[] = new String[]
        {"Consul"};
        String designationOfEmployee[];
        designationOfEmployee = new String[7];
        int da_sal[];
        da_sal = new int[7];
        int salary[];
```

```
salary = new int[7];
for(int i=0; i<7; i++) {
    if(designationOfEmployee[i]=="e") {
        designationOfEmployee[i]="Engineer";
        da_sal[i]= 20000;
    }
    else if(designationOfEmployee[i]=="c") {
        designationOfEmployee[i]="Consultant";
        da_sal[i]= 32000;
    }
    else if(designationOfEmployee[i]=="k") {
        designationOfEmployee[i]="Clerk";
        da_sal[i]= 12000;
    }
    else if(designationOfEmployee[i]=="r") {
        designationOfEmployee[i]="Receptionist";
        da_sal[i]= 15000;
    }
    else if(designationOfEmployee[i]=="m") {
        designationOfEmployee[i]="Manager";
        da_sal[i]= 32000;
    }
}
for(int j=0;j<7;j++){
    salary[j]=
        (Basics[j]+HRA[j]+da_sal[j])-IT[j];
}
Scanner sc = new Scanner(System.in);
int empnumber = sc.nextInt();
int i=0,j=0;
while(empnumber>=1001 && empnumber<=1007){
    if(empnumber==empNo[i]){
        System.out.println(empNo[i] + " "
            +EmpName[i] + " " + JoinDate[i] + " " + Dept[i] + "
"+salary[i]);
        j=1;
        break;
    }
    ++i;
}
if (j==0)
    System.out.println ("There is no Employee with this id: "+ empnumber);
}
```

4. Result/Output/Writing Summary:



```

1  import java.util.Scanner;
2  class pblj1{
3      public static void main(String[] args) {
4          int[] empNo = {1001,1002,1003,1004,1005,1006,1007};
5          String[] EmpName = new String[] {"Ashish","Sushma", "Rahul", "Chahat", "Ranjan", "Suman","Tanmay"};
6          String[] JoinDate = new String[]
7              {"01/04/2009","23/08/2012","12/11/2008","29/01/2013","16/07/2005","1/1/2000","12/06/2006"};
8          String[] DesignCode = new String[] {"e","c","k","e","m","e","c"};
9          String[] Dept = new String[] {"R&D", "PM","Acct", "FrontDesk","Engg","Manufacturing","PM"};
10         int[] Basics = {20000,30000,10000,12000,50000,23000,29000};
11         int[] HRA = {8000,12000,8000,6000,20000,9000,12000};
12         int[] IT = {3000,9000,1000,2000,20000,4400,10000};
13         System.out.println("Enter the Employee ID");
14         String designationcodemeat[] = new String[]
15             {"Consul"};
16         String designationOfEmployee[];
17         designationOfEmployee = new String[7];
18         int da_sal[];
19         da_sal = new int[7];
20         int salary[];
21         salary = new int[7];
    
```

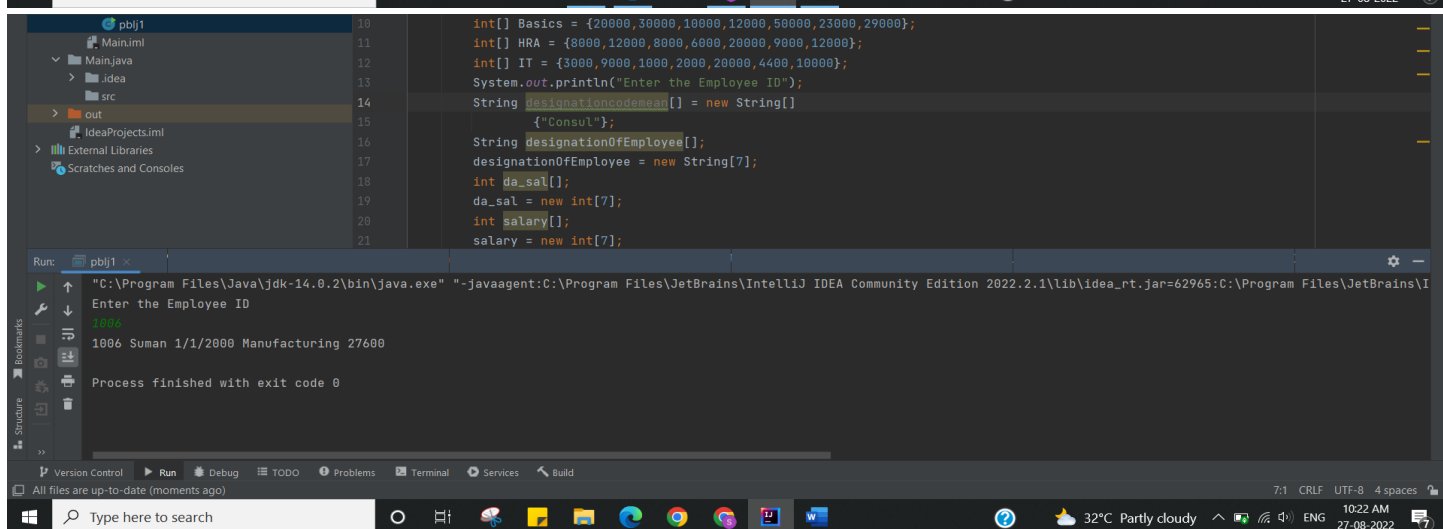
Run: pblj1 x

"C:\Program Files\Java\jdk-14.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.2.1\lib\idea_rt.jar=62898:C:\Program Files\JetBrains\I" Enter the Employee ID

1002

1002 Sushma 23/08/2012 PM 33000

Process finished with exit code 0



```

10 int[] Basics = {20000,30000,10000,12000,50000,23000,29000};
11 int[] HRA = {8000,12000,8000,6000,20000,9000,12000};
12 int[] IT = {3000,9000,1000,2000,20000,4400,10000};
13 System.out.println("Enter the Employee ID");
14 String designationcodemeat[] = new String[]
15     {"Consul"};
16 String designationOfEmployee[];
17 designationOfEmployee = new String[7];
18 int da_sal[];
19 da_sal = new int[7];
20 int salary[];
21 salary = new int[7];
    
```

Run: pblj1 x

"C:\Program Files\Java\jdk-14.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.2.1\lib\idea_rt.jar=62965:C:\Program Files\JetBrains\I" Enter the Employee ID

1006

1006 Suman 1/1/2000 Manufacturing 27600

Process finished with exit code 0



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```
12 int[] IT = {3000, 9000, 1000, 2000, 20000, 4400, 10000};
13 System.out.println("Enter the Employee ID");
14 String designationcodewean[] = new String[]
15     {"Consul"};
16 String designationOfEmployee[];
17 designationOfEmployee = new String[7];
18 int da_sal[];
19 da_sal = new int[7];
20 int salary[];
21 salary = new int[7];
```

Run: pbj1 x

"C:\Program Files\Java\jdk-14.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.2.1\lib\idea_rt.jar=62975:C:\Program Files\JetBrains\I

Enter the Employee ID

2000

There is no Employee with this id: 2000

Process finished with exit code 0

I have successfully done this experiment.

Learning Outcomes (What I have learnt):

1. Learn How to create the array.
2. Array manipulation in java.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			