

Department of Computer Science & Engineering



UNIVERSITY INSTITUTE OF ENGINEERING

Department of Computer Science & Engineering

Subject Name: Project Based Learning in Java Lab

Subject Code: 20CSP321

Submitted to: Er.Parveen Tanwar Sir

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Section: 607

Group: B

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Ex. No	List of Experiments	Conduct (MM: 12)	Viva (MM: 10)	Record (MM: 8)	Total (MM: 30)	Date	Remarks/Signature
1.1	Create an application to save the employee information using arrays.					03/09/22	
1.2	Design and implement a simple inventory control system for a small video rental store.					05/09/22	
1.3	Create a application to calculate interest for FDs, RDs based on certain conditions using inheritance.					10/09/22	
2.1	Create a program to set view of Keys from Java Hashtable.						
2.2	Create a program to show the usage of Sets of Collection interface.						
2.3	Write a Program to perform them basic operations like insert, delete, display, and search in list. List contains String object items where these operations are to be performed.						
2.4	Create a menu-based Java application with the following options. 1.Add an Employee 2.Display All 3.Exit If option 1 is selected, the application should gather details of the employee like employee name, employee id, designation and salary and store it in a file. If option 2 is selected, the application should display all the employee details. If option 3 is selected the application should exit.						
3.1	Create a palindrome creator application for making a longest possible palindrome out of given input string.						
3.2	Create a Servlet/ application with a facility to print any message on web browser.						
3.3	Create JSP application for addition, multiplication and division.						

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Experiment 1.1

Student Name: Pranjal Kumar

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Branch: CSE

Section/Group: 607-B

Semester: 5th

Date of Performance: 03/09/22

Subject Name: PBLJ Lab

Subject Code: 20CSP-321

AIM:

Develop a small java application, which accepts employee id from the command prompt and displays the output .

OBJECTIVE:

Given the following table containing information about employees of an organization, develop a small java application, which accepts employee id from the command prompt and displays the following details as output: **Emp No Emp Name Department Designation and Salary**

+ You may assume that the array is initialized with the following details:

Emp No.	Emp Name	Join Date	Desig Code	Dept	Basic	HRA	IT
1001	Ashish	01/04/2009	e	R&D	20000	8000	3000
1002	Sushma	23/08/2012	c	PM	30000	12000	9000
1003	Rahul	12/11/2008	k	Acct	10000	8000	1000
1004	Chahat	29/01/2013	r	Front Desk	12000	6000	2000
1005	Ranjan	16/07/2005	m	Engg	50000	20000	20000
1006	Suman	1/1/2000	e	Manu facturing	23000	9000	4400
1007	Tanmay	12/06/2006	c	PM	29000	12000	10000

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JAVA CODE/INPUT:

```
package javalab;

import java.util.*;

class employee
{
    int empno,Basic,hra,it;
    String Emp_name,Date_join,desig,depart;
    int TotalSalary;

    employee(int empno,int basic,int hra,int it,String empname,String Date_join,String desig,String depart)
    {

        this.empno=empno;
        this.Basic=basic;
        this.hra=hra;

        this.it=it;

        this.Emp_name=empname;
        this.Date_join=Date_join;
        this.desig=desig;
        this.depart=depart;

        this.TotalSalary = (Basic+ this.hra + this.it);

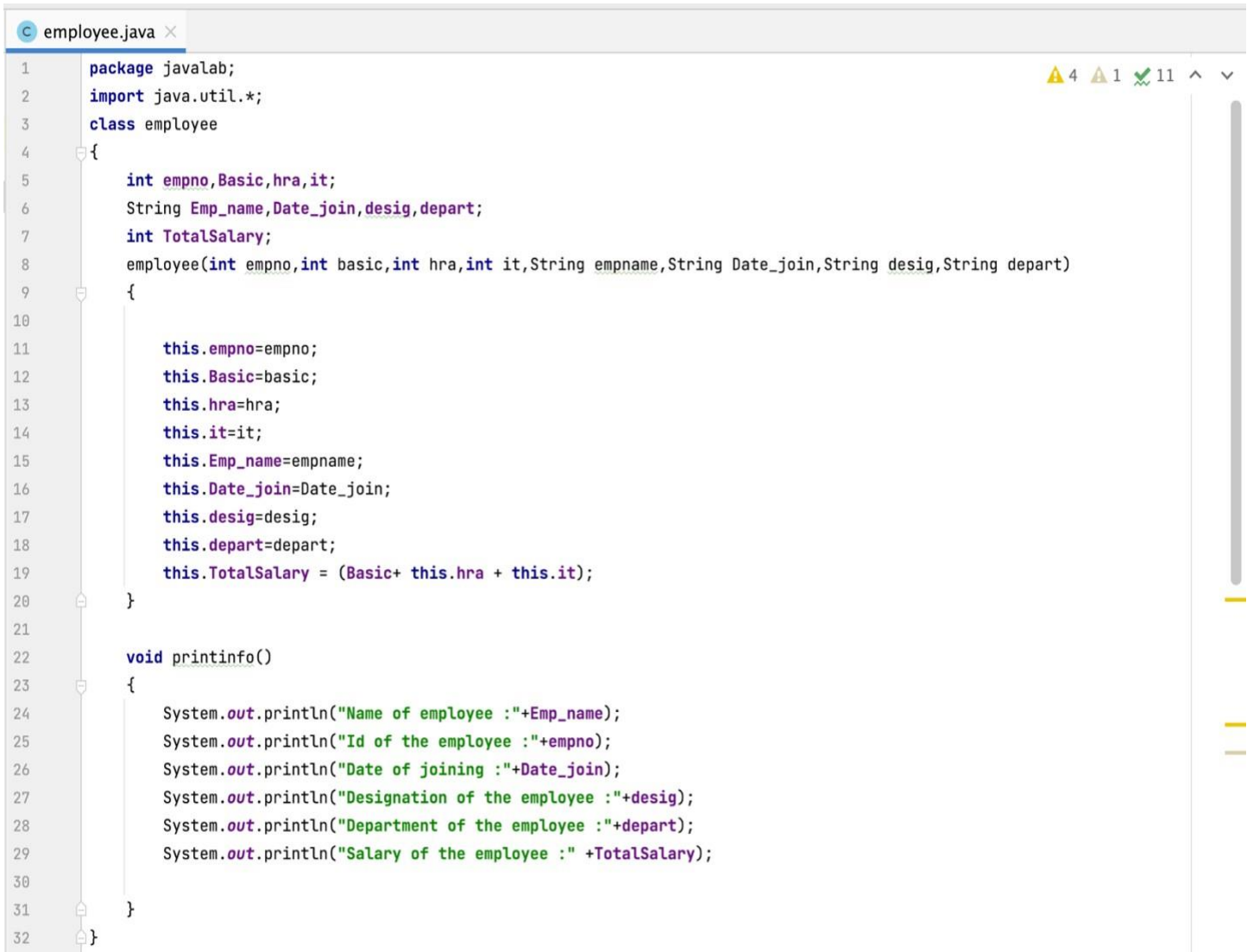
    }

    void printinfo()
    {
        System.out.println("Name of employee :"+Emp_name);
        System.out.println("Id of the employee :"+empno);
        System.out.println("Date of joining :"+Date_join);
        System.out.println("Designation of the employee :"+desig);
        System.out.println("Department of the employee :"+depart);
        System.out.println("Salary of the employee : " +TotalSalary);
    }
}
```

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```
}  
}  
class employeeDet  
{  
public static void main(String[] args)  
{  
employee emp[]= new employee[4];  
emp[0]=new employee(1001,22000,21000,3000,"Ashish","30-7-2020","AP","Cse");  
emp[1]=new employee(1002,18000,15000,2000,"Aman","5-7-2020","AP","R&D");  
emp[2]=new employee(1003,10000,12000,1000,"Chetan","6-5-2022","TA","ECE");  
emp[3]=new employee(1004,10000,11000,1000,"Durjoy","7-7-2022","TA","CSE");  
int mainemp;  
System.out.println("Enter the id of employee :");  
Scanner sc=new Scanner(System.in);  
mainemp=sc.nextInt();  
for(int i=0;i<4;i++)  
{  
if(mainemp==emp[i].empno)  
{  
emp[i].printinfo();  
break;  
}  
else{  
System.out.println("User not Found");  
break;  
}  
  
}  
  
}
```

}



```
1 package javalab;
2 import java.util.*;
3 class employee
4 {
5     int empno,Basic,hra,it;
6     String Emp_name,Date_join,desig,depart;
7     int TotalSalary;
8     employee(int empno,int basic,int hra,int it,String empname,String Date_join,String desig,String depart)
9     {
10
11         this.empno=empno;
12         this.Basic=basic;
13         this.hra=hra;
14         this.it=it;
15         this.Emp_name=empname;
16         this.Date_join=Date_join;
17         this.desig=desig;
18         this.depart=depart;
19         this.TotalSalary = (Basic+ this.hra + this.it);
20     }
21
22     void printinfo()
23     {
24         System.out.println("Name of employee :"+Emp_name);
25         System.out.println("Id of the employee :"+empno);
26         System.out.println("Date of joining :"+Date_join);
27         System.out.println("Designation of the employee :"+desig);
28         System.out.println("Department of the employee :"+depart);
29         System.out.println("Salary of the employee :"+TotalSalary);
30     }
31 }
32 }
```

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```
33 class employeeDet
34 {
35     public static void main(String[] args)
36     {
37         employee emp[] = new employee[4];
38         emp[0] = new employee( empno: 1001, basic: 22000, hra: 21000, it: 3000, empname: "Ashish", Date_join: "30-7-2020", desig: "AP", depart: "Cse");
39         emp[1] = new employee( empno: 1002, basic: 18000, hra: 15000, it: 2000, empname: "Aman", Date_join: "5-7-2021", desig: "AP", depart: "R&D");
40         emp[2] = new employee( empno: 1003, basic: 10000, hra: 12000, it: 1000, empname: "Chetan", Date_join: "6-5-2022", desig: "TA", depart: "ECE");
41         emp[3] = new employee( empno: 1004, basic: 10000, hra: 11000, it: 1000, empname: "Durjoy", Date_join: "7-7-2022", desig: "TA", depart: "CSE");
42         int mainemp;
43         System.out.println("Enter the id of employee :");
44         Scanner sc = new Scanner(System.in);
45         mainemp = sc.nextInt();
46         for(int i=0; i<4; i++)
47         {
48             if(mainemp == emp[i].empno)
49             {
50                 emp[i].printinfo();
51                 break;
52             }
53             else{
54                 System.out.println("User not Found");
55                 break;
56             }
57         }
58     }
59 }
60
61
62
63 }
```

OUTPUT:

```
Run: employeeDet x
/Library/Java/JavaVirtualMachines/jdk1.8.0_301.jdk/Contents/Home/bin/java ...
Enter the id of employee :
1001
Name of employee :Ashish
Id of the employee :1001
Date of joining :30-7-2020
Designation of the employee :AP
Department of the employee :Cse
Salary of the employee :46000

Process finished with exit code 0
```

Learning outcomes (What I have learnt):

1. To write a program in java to store the employees data.
2. Concept of arrays.
3. Loops and switch case concepts.