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Problem Statement:

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

given details as output:

Coding:

import java.util.\*;

import java.lang.\*;

public class Main {

public static String[] emp = {"EmpNo", "EmpName", "JoinDate", "DesignationCode", "Department", "Basic", "HRA", "IT"};

public static String[][] emp\_values = new String[][] {

{"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", "FrontDesk", "12000", "6000", "2000"},

{"1005", "Ranjan", "16/07/2005", "m", "Engg", "50000", "20000", "20000"},

{"1006", "Suman", "1/1/2000", "e", "Manufacturing", "23000", "9000", "4400"},

{"1007", "Tanmay", "12/06/2006", "c", "PM", "29000", "12000", "10000"}

};

public static String[] des = {"DesignationCode", "Designation", "DA"};

public static String[][] da\_values= new String[][] {

{"e", "Engineer", "20000"},

{"c", "Consultant", "32000"},

{"k", "Clerk", "12000"},

{"r", "Receptionist", "15000"},

{"m", "Manager", "40000"}

};

public static void main(String[] args) {

Scanner obj = new Scanner(System.in);

System.out.print("Enter ID of the employee to view his details : ");

String n = obj.nextLine();

String s = n;

try {

String[] employee = getEmployee(Integer.parseInt(n));

String DesignationCode = employee[Arrays.asList(emp).indexOf("DesignationCode")];

String[] da = getDA(DesignationCode);

String Designation = da[Arrays.asList(des).indexOf("Designation")];

int Basic = Integer.parseInt(employee[Arrays.asList(emp).indexOf("Basic")]);

int HRA = Integer.parseInt(employee[Arrays.asList(emp).indexOf("HRA")]);

int IT = Integer.parseInt(employee[Arrays.asList(emp).indexOf("IT")]);

int DA = Integer.parseInt(da[Arrays.asList(des).indexOf("DA")]);

int salary = Basic + HRA + DA - IT;

System.out.printf("%-10s%-10s%-15s%-15s%-10s\n", "Emp No", "Emp Name", "Department", "Designation", "Salary");

System.out.printf("%-10s%-10s%-15s%-15s%-10s", employee[0], employee[1], employee[4], Designation, salary);

}

catch (Exception e) {

System.out.println("There is no employee with empid : " +s);

}

}

public static String[] getEmployee(int empno) {

int r = emp\_values.length;

int c = emp\_values[0].length;

String[] employee = new String[c];

for (int i = 0; i < r; i++) {

if (empno == Integer.parseInt(emp\_values[i][0])) {

for (int j = 0; j < c; j++) {

employee[j] = emp\_values[i][j];

}

}

}

return employee;

}

public static String[] getDA(String DesignationCode) {

int r = da\_values.length;

int c = da\_values[0].length;

String[] da = new String[c];

for (int i = 0; i < r; i++) {

if (DesignationCode.equals(da\_values[i][0])) {

for (int j = 0; j < c; j++) {

da[j] = da\_values[i][j];

}

}

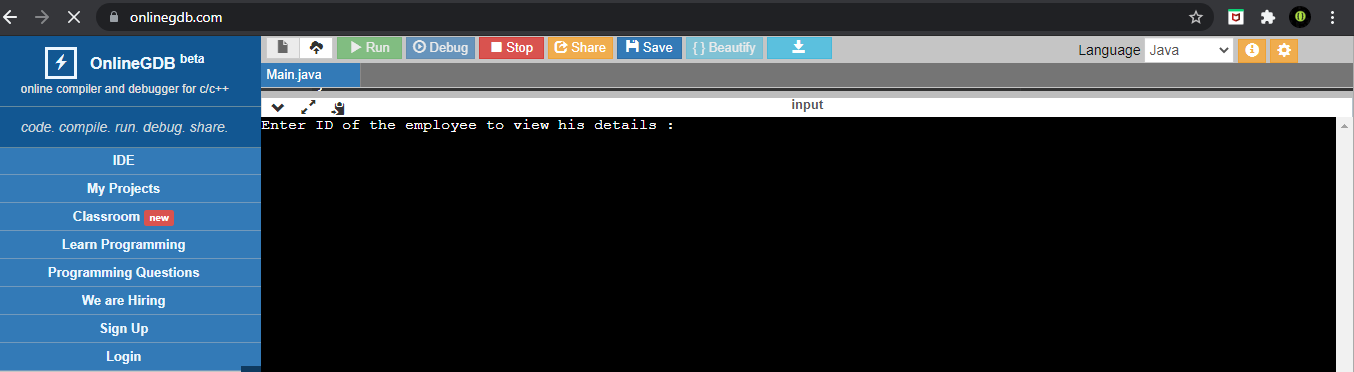
}

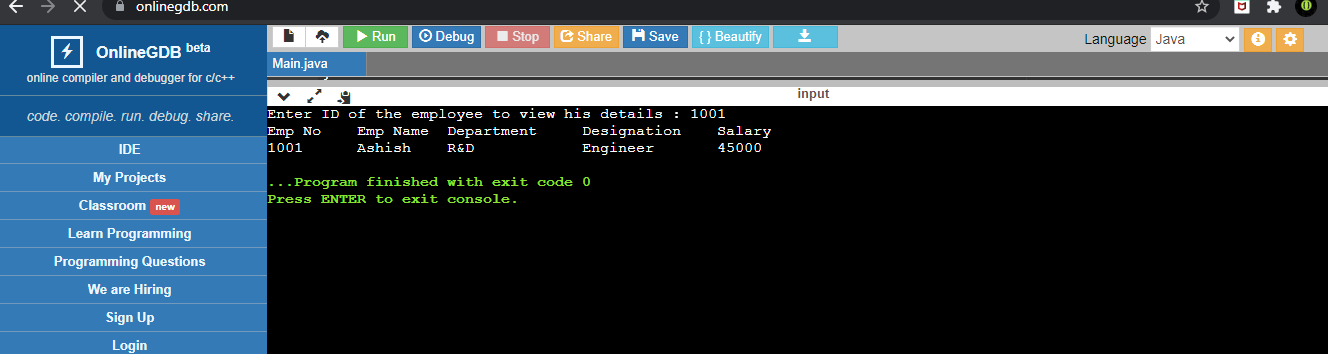
return da;

}

}

Output:

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