

## ASSIGNMENT

### DAY-3

- 1) Take 5 subjects marks each subject 100 marks;  
calculate the percentage;  
based on the percentage print the grade and the percentage.

**CODE:**

```
package com.Prc2;  
  
import java.util.*;  
public class Main {  
  
    public static void main(String[] args) {  
        float num,num1,num2,num3,num4;  
        float tmarks, percentage;  
        String name;  
        Scanner sc=new Scanner(System.in);  
        System.out.println("Enter marks of 5 subject");  
        System.out.println("Enter English marks ");  
        num=sc.nextInt();  
        System.out.println("Enter Maths marks ");  
        num1=sc.nextInt();  
        System.out.println("Enter Java marks ");  
        num2=sc.nextInt();  
        System.out.println("Enter IOT marks ");  
        num3=sc.nextInt();  
        System.out.println("Enter Python marks ");  
        num4=sc.nextInt();  
        tmarks=num+num1+num2+num3+num4;  
        System.out.println(tmarks);  
        percentage=((tmarks/500)*100);  
        System.out.println("Percentage is "+percentage+"%");  
        if(percentage>=80)  
        {  
            System.out.println("A grade"+percentage);  
        }  
        else if(percentage<=79 && percentage>=55)  
        {  
            System.out.println("B grade"+percentage);  
        }  
        else if(percentage<=56 && percentage>=45)  
        {  
            System.out.println("C grade"+percentage);  
        }  
        else if(percentage<=44 && percentage>=31)  
        {  
            System.out.println("D grade"+percentage);  
        }  
        else
```

```
{  
    System.out.println("E grade"+percentage);  
}
```

## OUTPUT:

```
"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\  
Enter marks of 5 subject  
Enter English marks  
89  
Enter Maths marks  
98  
Enter Java marks  
75  
Enter IOT marks  
45  
Enter Python marks  
62  
369.0  
Percentage is 73.799995%  
B grade73.799995  
  
Process finished with exit code 0
```

**2) Take employee name,date of birth,month of birth**

**birth year, monthly salary;**

**5l - 20%;**

**4l - 15%;**

**3l- 10%;**

**2l -5%;**

**Display name,age,annual salary and the tax amount.**

## CODE:

```
package com.pract2b;  
  
import java.util.Scanner;  
  
public class Main {  
  
    public static void main(String[] args) {  
        String emp_name;  
        int dob,mob,yob,d,m,y;  
        Double salary,a_salary;
```

```
Scanner sc=new Scanner(System.in);
System.out.println("Enter Your name: ");
emp_name=sc.nextLine();
System.out.println("Enter Date of Birth: ");
dob=sc.nextInt();
System.out.println("Enter month of Birth: ");
mob=sc.nextInt();
System.out.println("Enter year of birth: ");
yob=sc.nextInt();
System.out.println("Enter Monthly Salary: ");
salary=sc.nextDouble();
d=(30-dob);
m=(12-mob);
y=(2020-yob);
System.out.println("Your age is: "+d+" days "+m+" months "+y+" years");
a_salary=(salary*12);
System.out.println("Your Annual Salary is: "+a_salary);
if(a_salary>=500000)
{
    System.out.println(emp_name+" need to pay 20% tax");
}
else if(a_salary>=400000 && a_salary<300000)
{
    System.out.println(emp_name+" need to pay 15%");
}
else if(a_salary>=300000 && a_salary<200000)
{
    System.out.println(emp_name+" need to pay 10% tax");
}
else if(a_salary>=200000)
{
    System.out.println(emp_name+" need to pay 5% tax");
}
else
{
    System.out.println("No tax");
}
}
}
```

**OUTPUT:**

```
Main ×
"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaagent:C:\Program Files\Je
Enter Your name:
Manisha Joshi
Enter Date of Birth:
27
Enter month of Birth:
07
Enter year of birth:
1999
Enter Monthly Salary:
87000
Your age is: 3 days 5 months 21 years
Your Annual Salary is: 1044000.0
Manisha Joshi need to pay 20% tax

Process finished with exit code 0
|
```