**Question 1:**

**Take 5 subjects marks each subject 100 marks;**

**calculate the percentage;**

**based on the percentage print the grade and the percentage;**

**Program:**

import java.util.Scanner;

public class Percentage

{

public static void main(String args[])

{

int marks[] = new int[5];

int i;

float total=0, avg,percent;

Scanner scanner = new Scanner(System.in);

for(i=0; i<5; i++) {

System.out.print("Enter Marks of Subject"+(i+1)+":");

marks[i] = scanner.nextInt();

total = total + marks[i];

}

scanner.close();

avg = total/5;

System.out.println("Average is:"+avg);

percent = (total / 500) \* 100;

System.out.println("Percentage is:"+percent);

System.out.print("The student Grade is: ");

if(percent>=80)

{

System.out.print("A");

}

else if(percent>=60 && percent<80)

{

System.out.print("B");

}

else if(percent>=40 && percent<60)

{

System.out.print("C");

}

else

{

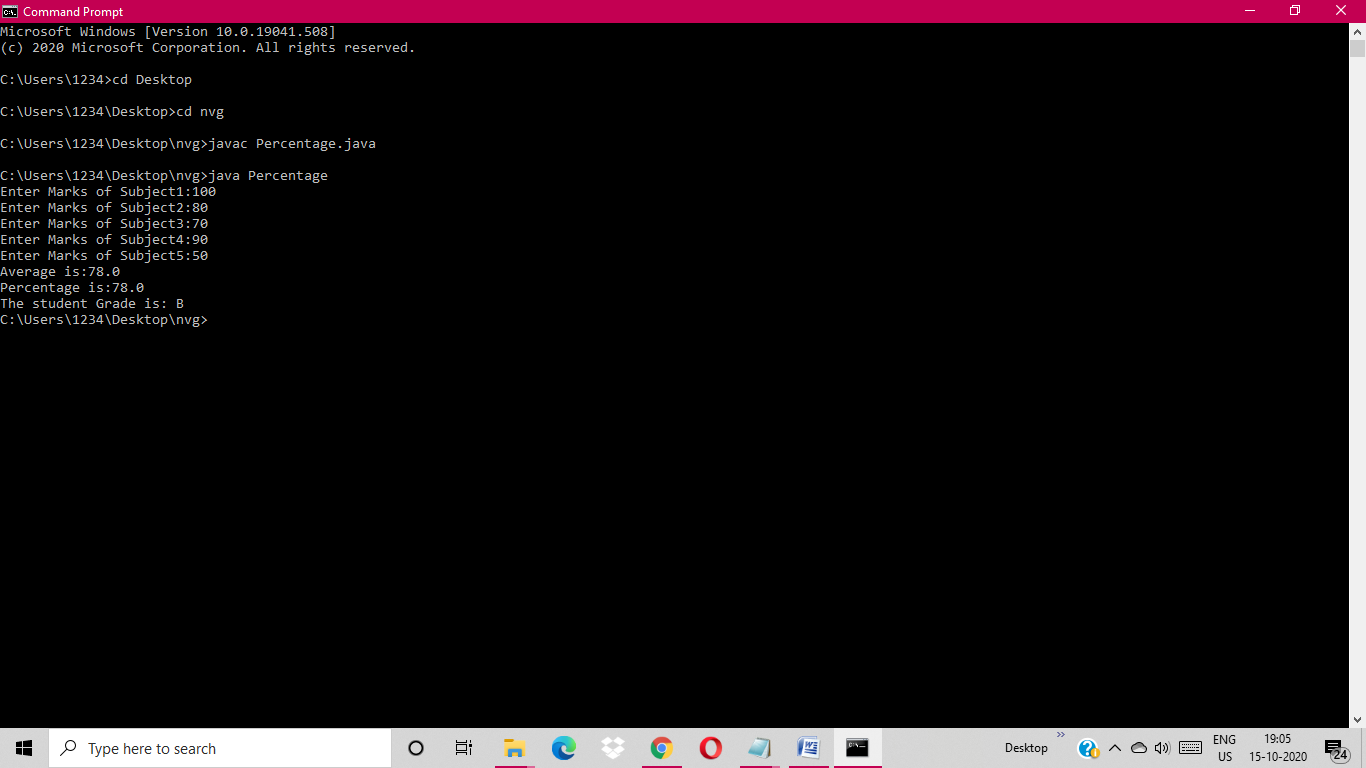
System.out.print("D");

}

}

}

**Output:**

****

**Question 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.**

**Program:**

import java.io.\*;

import java.util.Scanner;

class EmpData

{

int current\_date=15;

int current\_month=10;

int current\_year=2020;

int birth\_date;

int birth\_month;

int birth\_year;

String name;

int monthsalary;

int annualsalary;

int tax;

static void findAge(int current\_date, int current\_month,

int current\_year, int birth\_date,

int birth\_month, int birth\_year)

{

int month[] = { 31, 28, 31, 30, 31, 30, 31,

31, 30, 31, 30, 31 };

if (birth\_date > current\_date) {

current\_month = current\_month - 1;

current\_date = current\_date + month[birth\_month - 1];

}

if (birth\_month > current\_month) {

current\_year = current\_year - 1;

current\_month = current\_month + 12;

}

int calculated\_date = current\_date - birth\_date;

int calculated\_month = current\_month - birth\_month;

int calculated\_year = current\_year - birth\_year;

System.out.println("\n Present Age:");

System.out.println("Years: " + calculated\_year +

" Months: " + calculated\_month + " Days: " +

calculated\_date);

}

public void salary\_tax()

{

annualsalary=monthsalary\*12;

if(annualsalary>100000 && annualsalary<=200000)

{

tax = (annualsalary\*5)/100;

System.out.println("\n Annual Salary:"+annualsalary);

System.out.println("\n Tax Amount is:"+tax);

}

else if(annualsalary>200000 && annualsalary<=300000)

{

tax = (annualsalary\*10)/100;

System.out.println("\n Annual Salary:"+annualsalary);

System.out.println("\n Tax Amount is:"+tax);

}

else if(annualsalary>300000 && annualsalary<=400000)

{

tax = (annualsalary\*15)/100;

System.out.println("\n Annual Salary:"+annualsalary);

System.out.println("\n Tax Amount is:"+tax);

}

else if(annualsalary>400000 && annualsalary<=500000)

{

tax = (annualsalary\*20)/100;

System.out.println("\n Annual Salary:"+annualsalary);

System.out.println("\n Tax Amount is:"+tax);

}

}

public void getDetails()

{

Scanner sc=new Scanner(System.in);

System.out.println("\n Enter name:");

name=sc.nextLine();

System.out.println("\n Enter Monthly Salary:");

monthsalary=sc.nextInt();

System.out.println("\n Enter Birth date:");

birth\_date=sc.nextInt();

System.out.println("\n Enter Birth month:");

birth\_month=sc.nextInt();

System.out.println("\n Enter Birth year:");

birth\_year=sc.nextInt();

}

public void display()

{

System.out.println("\n Name:"+name);

salary\_tax();

findAge(current\_date, current\_month, current\_year,

birth\_date, birth\_month, birth\_year);

}

public static void main(String[] args)

{

EmpData e[] = new EmpData[3];

for(int i=0; i<3; i++)

{

e[i] = new EmpData();

e[i].getDetails();

}

System.out.println("\*\*\*\* Data Entered as below \*\*\*\*");

for(int i=0; i<3; i++)

{

e[i].display();

}

}

}

**Output:**

