Assignment 3

Q.1

**package** aug5;

**import** java.util.Scanner;

**public** **class** Student {

**public** **static** **void** main(String[] args) {

**int** count, i;

**float** totalMarks = 0, percentage, average;

Scanner scanner;

scanner = **new** Scanner(System.***in***);

System.***out***.println("Enter Number of Subject");

count = scanner.nextInt();

System.***out***.println("Enter Marks of " + count + " Subject");

**for** (i = 0; i < count; i++) {

totalMarks += scanner.nextInt();

}

System.***out***.println("Total MArks : " + totalMarks);

percentage = (totalMarks / (count \* 100)) \* 100;

System.***out***.println("Percentage are:"+percentage);

**switch** ((**int**) percentage / 10) {

**case** 9:

System.***out***.println("Grade : A+");

**break**;

**case** 8:

**case** 7:

System.***out***.println("Grade : A");

**break**;

**case** 6:

System.***out***.println("Grade : B");

**break**;

**case** 5:

System.***out***.println("Grade : C");

**break**;

**default**:

System.***out***.println("Grade : D");

**break**;

}

}

}

Output:

Enter Number of Subject

5

Enter Marks of 5 Subject

75

98

82

85

74

Total MArks : 414.0

Percentage are:82.8

Grade : A

Q.2

**package** aug5;

**import** java.util.Scanner;

**public** **class** Employee {

**public** **static** **void** main(String args[])

{

**double** tax=0,it;

**int** p;

String k;

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("Enter Name of Employee: ");

k=sc.next();

System.***out***.println("Enter Age of Employee: ");

p=sc.nextInt();

System.***out***.println("Enter income ");

it=sc.nextDouble();

**if**(it<=200000)

tax=0;

**else** **if**(it<=300000)

tax=0.1\*(it-200000);

**else** **if**(it<=500000)

tax=(0.2\*(it-300000))+(0.1\*100000);

**else** **if**(it<=1000000)

tax=(0.3\*(it-500000))+(0.2\*200000)+(0.1\*100000);

**else**

tax=(0.4\*(it-1000000))+(0.3\*500000)+(0.2\*200000)+(0.1\*100000);

System.***out***.println("Income tax amount is "+tax);

**double** gs,pt,pf,annualSalary;

System.***out***.println("enter Gross salary");

gs=sc.nextDouble();

System.***out***.println("enter Income Tax %");

it=sc.nextDouble();

it=it\*(gs/100);

annualSalary=gs-it;

System.***out***.println("Annual Salary is="+annualSalary);

}

}

Output:

Enter Name of Employee:

swati

Enter Age of Employee:

24

Enter income

500000

Income tax amount is 50000.0

enter Gross salary

500000

enter Income Tax %

20

Annual Salary is=400000.0