1. Write a Java program to convert a given integer (in seconds) to hours, minutes andseconds.

Test Data :

Input seconds: 25300Expected

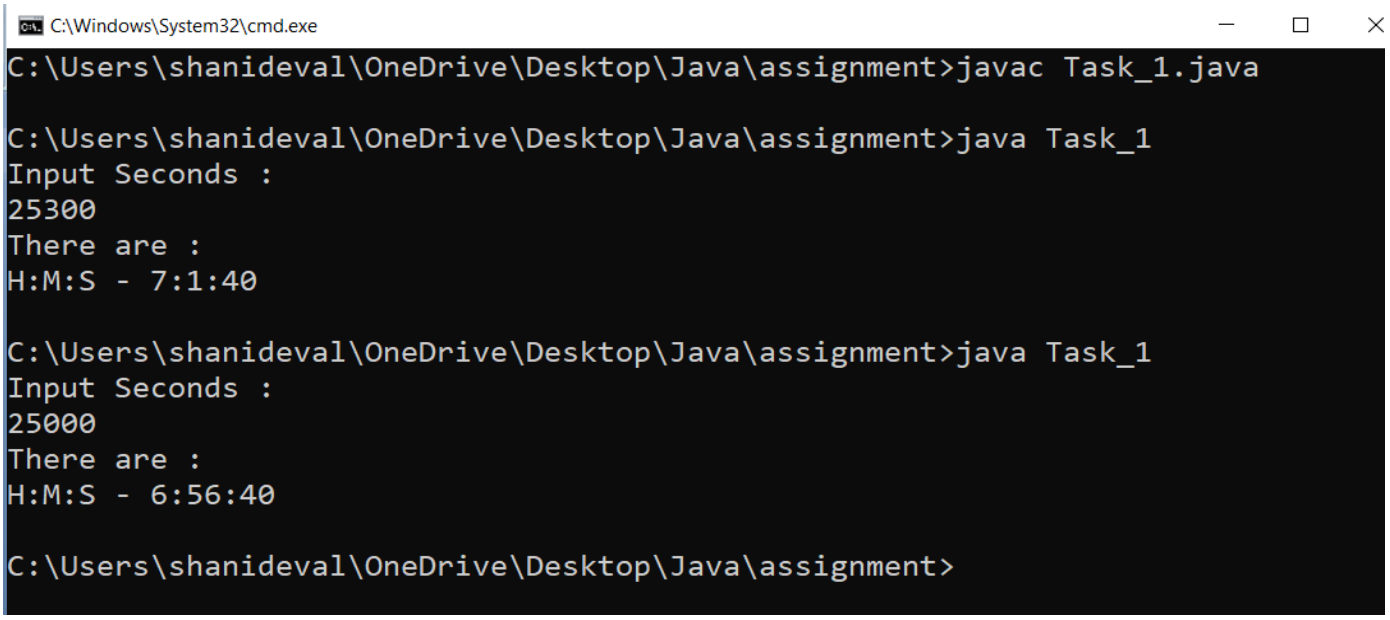
Output:

There are:

H:M:S - 7:1:40

//Task_1.java

```
import java.util.Scanner;    //importing Scanner class for taking user input

class  Task_1{

        public static void main (String args[]){

        //data type declaration
        int seconds,h,m,rm;

        Scanner obj=new Scanner(System.in);

        System.out.println("Input Seconds : ");     //message for display
        seconds=obj.nextInt();  //25300              // taking user input

        //calculation of converting seconds in h:m:s

        h=seconds/3600;          //h=7
        rm=seconds%3600;  //rm=100
        m=rm/60;         //m=1
        seconds=rm%60;


        //print the expected output
        System.out.println("There are :");
        System.out.println("H:M:S - " +h+":"+m+":"+seconds );

}
}
```



2. Write a Java program to convert a given integer (in days) to years, months and days,assumes that all months have 30 days and all years have 365 days.

Test Data : Input no. of days: 2535

Expected Output:

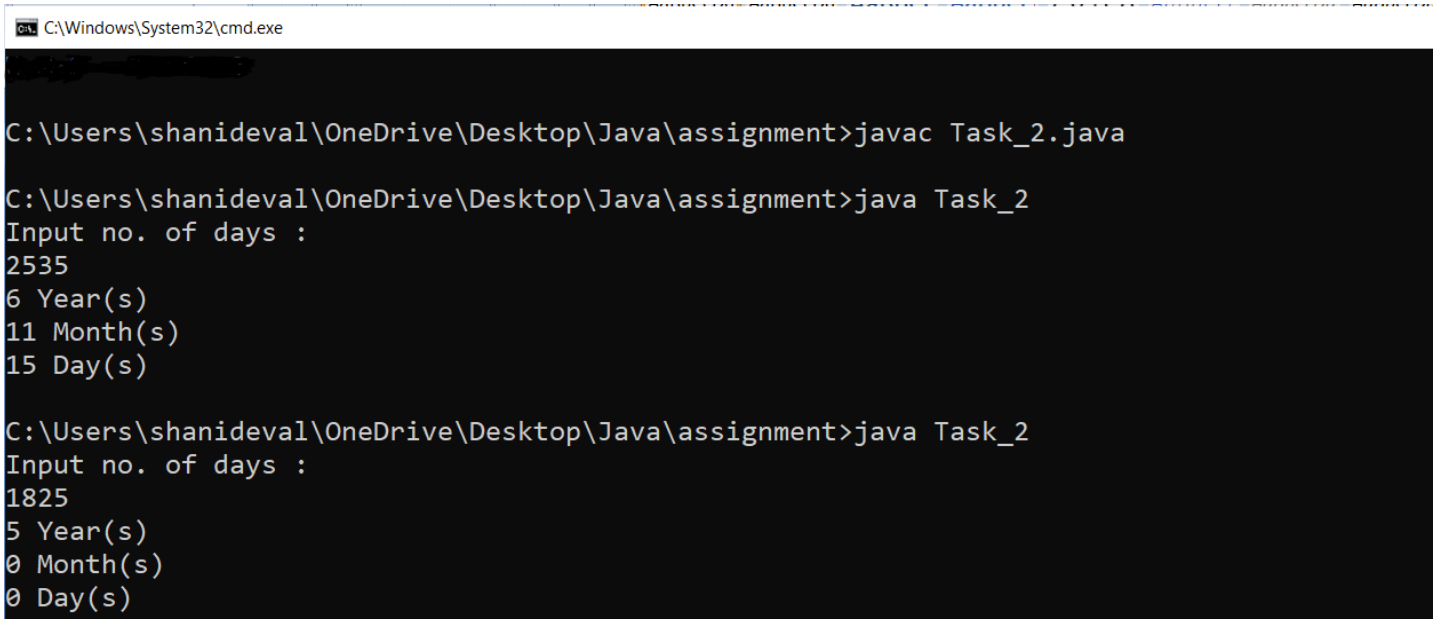
6 Year(s)

11 Month(s)

15 Day(s)

//Task_2.java

```
import java.util.Scanner;  //  importing Scanner class for taking user input
class Task_2{
        public static void main (String args[]){

        //data type declaration
        int days,rm,number;
        Scanner obj=new Scanner(System.in);

        System.out.println("Input no. of days : ");   //message for display
        days=obj.nextInt();    //2535                  // taking user input

        number=days/365;    //number=6
        rm=days%365;  //rm=345
        System.out.println(number + " Year(s)");   //print the expected output


        number=rm/30;//number=11
        rm=rm%30;       //rm=15
        System.out.println(number + " Month(s)");  //print the expected output

        number=rm%30;   //number=15
        System.out.println(number + " Day(s)");             //print the expected output

}
}
```



Q3. Write a Java program that read 5 numbers and print the average of all values.

Test Data :

First Number : 4

Second Number : 6

Third Number: 8

Fourth Number : 10

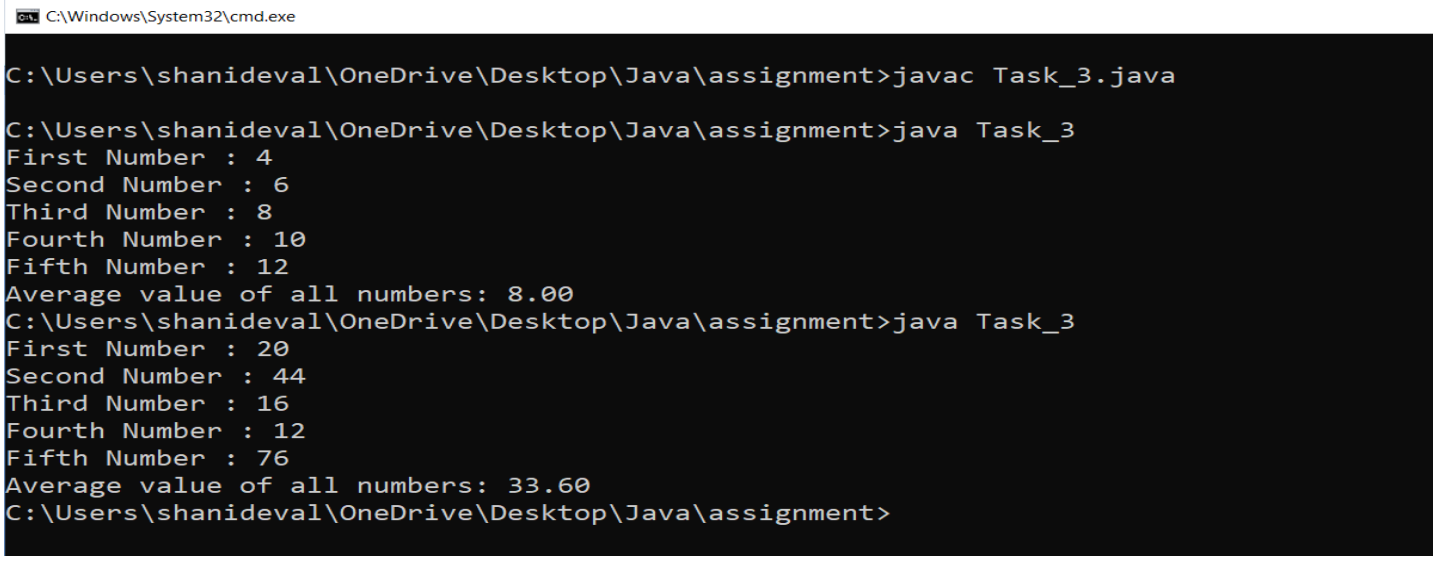
Fifth Number : 12

Expected Output:

Average value of the all numbers: 8.00

//Task_3.java

```
import java.util.Scanner;    //importing Scanner class for taking user input

class Task_3{

        public static void main (String args[]){

        //data type declartion
        float num1,num2,num3,num4,num5;
        Scanner obj=new Scanner(System.in);
        System.out.print("First Number : ");       //message for display
        num1=obj.nextFloat();                       //taking input form user
        System.out.print("Second Number : ");    //message for display
        num2=obj.nextFloat();                       //taking input form user
        System.out.print("Third Number : ");       //message for display
        num3=obj.nextFloat();                       //taking input form user
        System.out.print("Fourth Number : ");     //message for display
        num4=obj.nextFloat();                       //taking input form user
        System.out.print("Fifth Number : ");       //message for display
        num5=obj.nextFloat();                       //taking input form user

        //average calculation
        float avg=(num1+num2+num3+num4+num5)/5;

        //expected output
         System.out.printf("Average value of all numbers: %.2f", avg);
}
}
```



Q4. Write a Java program to integral quotient and remainder of a division

Input numerator : 2500

Input denominator : 235

quotient = 10, remainder = 150

//Task_4.java

```
import java.util.Scanner; //importing Scanner class for taking user input

class Task_4{
	public static void main(String args[]){

	//data type declaration
	int quotient ,remainder,numerator,denominator;
	Scanner obj=new Scanner(System.in);

	System.out.print("Input numerator : ");     //message for display
	numerator=obj.nextInt();                    // taking  input from user

	System.out.print("Input denominator : ");  //message for display
	denominator=obj.nextInt();                  // taking  input from user

	quotient=numerator/denominator;
	remainder=numerator%denominator;

	//print the expected output
	System.out.println("quotient = "+quotient+ ", remainder = "+remainder);


}
}
```

C:\Windows\System32\cmd.exe

```
C:\Users\shanideval\OneDrive\Desktop\Java\assignment>javac Task_4.java

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task_4
Input numerator : 2500
Input denominator : 235
quotient = 10, remainder = 150

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task_4
Input numerator : 2400
Input denominator : 235
quotient = 10, remainder = 50

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>
```

Q5. Write a java program that converts Centigrade to Fahrenheit.

Input a degree in Fahrenheit: 212

212.0 degree Fahrenheit is equal to 100.0 in Celsius

//Task_5.java

```
import java.util.Scanner;   //importing Scanner class for taking user input
class Task_5{

        public static void main (String args[]){

        //data type declaration
        float c,f;
        Scanner obj=new Scanner(System.in);
        System.out.println("Input a degree in Fahrenheit : ");  //message for display
        f=obj.nextFloat();              // taking user input


        c=(5*(f-32))/9;

        //print the expected output
        System.out.println(f+" degree Fahrenheit is equal to "+c +" in Celsius");

}
}
```