

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

Test Data :

Input seconds: 25300 Expected

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);

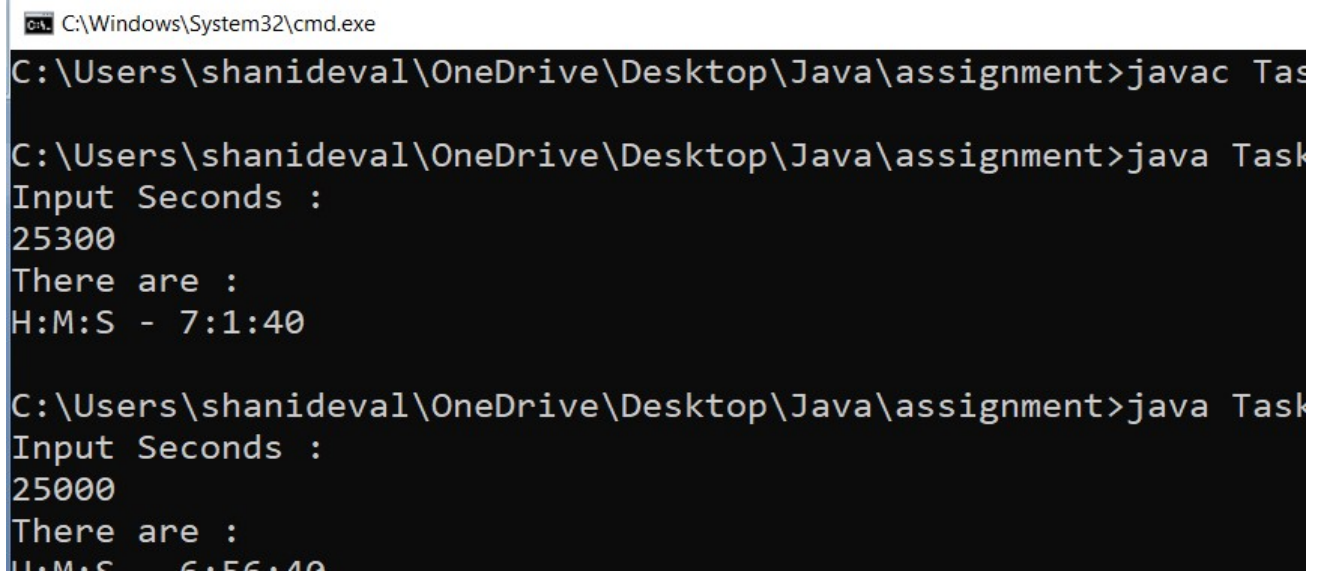
        System.out.println("Input Seconds : "); //message for display
        seconds=obj.nextInt(); //25300 // taking user input

        //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 );

    }
}
```



C:\Windows\System32\cmd.exe

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>javac Task\_1.java

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task\_1

Input Seconds :  
25300

There are :  
H:M:S - 7:1:40

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task\_1

Input Seconds :  
25000

There are :  
H:M:S - 6:56:40

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
    }
}
```

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C:\Users\shanideval\OneDrive\Desktop\Java\assignment>javac Task\_2.java

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task\_2

Input no. of days :

2535

6 Year(s)

11 Month(s)

15 Day(s)

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task\_2

Input no. of days :

1825

**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);
    }
}
```

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```
C:\Users\shanideval\OneDrive\Desktop\Java\assignment>javac Task_3.java
C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task_3
First Number : 4
Second Number : 6
Third Number : 8
Fourth Number : 10
Fifth Number : 12
Average value of all numbers: 8.00
C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task_3
First Number : 20
Second Number : 44
Third Number : 16
Fourth Number : 12
```

**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);

    }
}
```

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```
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
```

**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");

    }
}
```

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```
C:\Users\shanideval\OneDrive\Desktop\Java\assignment>javac Task_5.java

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task_5
Input a degree in Fahrenheit :
212
212.0 degree Fahrenheit is equal to 100.0 in Celsius

C:\Users\shanideval\OneDrive\Desktop\Java\assignment>java Task_5
Input a degree in Fahrenheit :
100
100.0 degree Fahrenheit is equal to 37.77778 in Celsius
```