

# Test

1)

```
#include <stdio.h>

void main() {
    int hr, min, sec, hr_sec, min_sec, total_sec;
    printf("Enter Hours = ");
    scanf("%d",&hr);

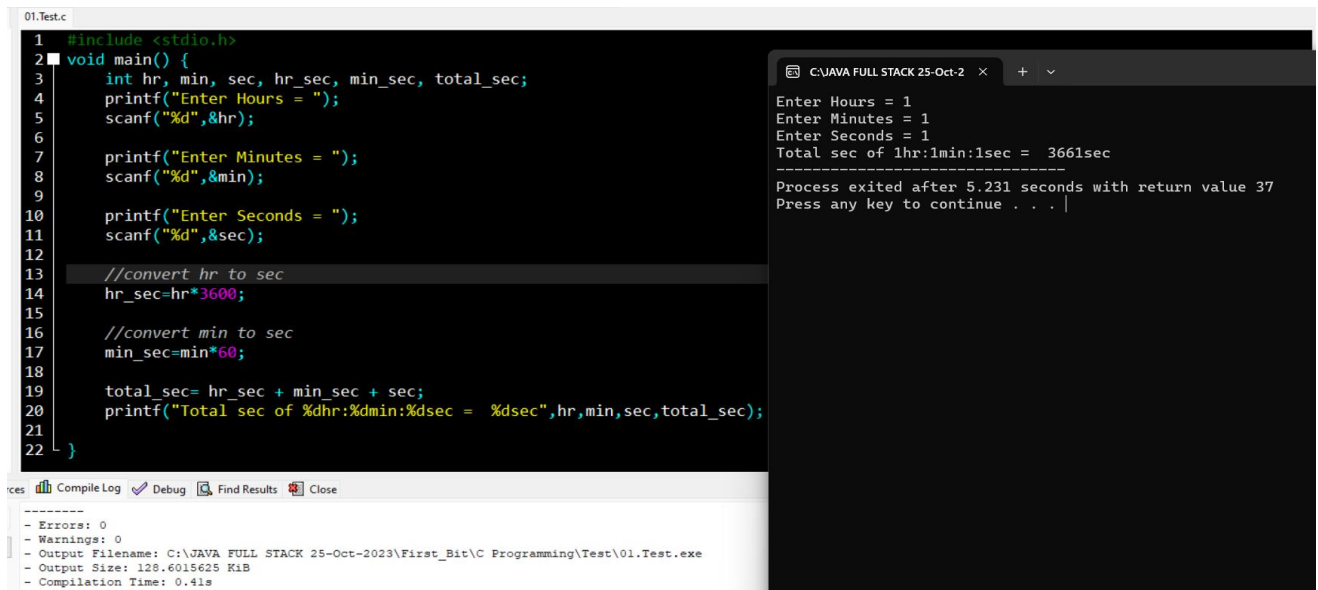
    printf("Enter Minutes = ");
    scanf("%d",&min);

    printf("Enter Seconds = ");
    scanf("%d",&sec);

    //convert hr to sec
    hr_sec=hr*3600;

    //convert min to sec
    min_sec=min*60;

    total_sec= hr_sec + min_sec + sec;
    printf("Total sec of %dhr:%dmin:%dsec = %dsec",hr,min,sec,total_sec);
}
```



The screenshot shows a C program in Visual Studio Code. The code is as follows:

```
1 #include <stdio.h>
2 void main() {
3     int hr, min, sec, hr_sec, min_sec, total_sec;
4     printf("Enter Hours = ");
5     scanf("%d",&hr);
6
7     printf("Enter Minutes = ");
8     scanf("%d",&min);
9
10    printf("Enter Seconds = ");
11    scanf("%d",&sec);
12
13    //convert hr to sec
14    hr_sec=hr*3600;
15
16    //convert min to sec
17    min_sec=min*60;
18
19    total_sec= hr_sec + min_sec + sec;
20    printf("Total sec of %dhr:%dmin:%dsec = %dsec",hr,min,sec,total_sec);
21
22 }
```

The output window shows the following execution results:

```
C:\JAVA FULL STACK 25-Oct-2 x + v
Enter Hours = 1
Enter Minutes = 1
Enter Seconds = 1
Total sec of 1hr:1min:1sec = 3661sec
-----
Process exited after 5.231 seconds with return value 37
Press any key to continue . . . |
```

The Compile Log window shows the following details:

```
Compile Log Debug Find Results Close
- Errors: 0
- Warnings: 0
- Output Filename: C:\JAVA FULL STACK 25-Oct-2023\First_Bit\C Programming\Test\01.Test.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.41s
```

2).

```
#include <stdio.h>
```

```

void main (){
    int year;
    printf("Enter year = ");
    scanf("%d",&year);

    if ((year%4==0 && year%100!=0 ) || (year%400==0)) {
        printf("%d year is Leap year",year);
    }
    else {
        printf("%d year is NOT Leap year",year);
    }
}

```

```

1  #include <stdio.h>
2  void main ()
3  {
4      int year;
5      printf("Enter year = ");
6      scanf("%d",&year);
7
8      if ((year%4==0 && year%100!=0 ) || (year%400==0)) {
9          printf("%d year is Leap year",year);
10     }
11     else {
12         printf("%d year is NOT Leap year",year);
13     }
14 }

```

Enter year = 2016  
2016 year is Leap year  
-----  
Process exited after 1.782 seconds with return value 22  
Press any key to continue . . .

Compile Log: - Errors: 0  
- Warnings: 0  
- Output Filename: C:\JAVA FULL STACK 25-Oct-2  
- Output Size: 128.1015625 KiB  
- Compilation Time: 0.30s

3).

```

#include <stdio.h>
void main (){
    int num, num1, num2, num3;
    num = 223410;
    num1=num%10;
    printf("\n%d",num1);

    num2=num/10;
    printf("\n%d",num2);

    num3=num2%10;

```

```
printf("\n%d",num3);
```

```
printf("\nOUTPUT = %d%d",num3,num1);
```

```
}
```

```
01.Test.c 02.LeanYear.c 03.2digitNum.c
1 #include <stdio.h>
2 void main ()
3 {
4     int num, num1, num2, num3;
5     num = 22341;
6     num1=num%10;
7     printf("\n%d",num1);
8
9     num2=num/10;
10    printf("\n%d",num2);
11
12    num3=num2%10;
13    printf("\n%d",num3);
14
15    printf("\nOUTPUT = %d%d",num3,num1);
16 }
```

C:\JAVA FULL STACK 25-Oct-2

```
0
22341
1
-----
Process exited after 0.04297 seconds with return value 2
Press any key to continue . . .
```

Compile Log | Debug | Find Results | Close

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\JAVA FULL STACK 25-Oct-2023\First_Bit\
- Output Size: 127.931640625 KiB
- Compilation Time: 0.30s
```