

Course Title: Structured Programming

Course Code: CSE1201

Section: 2

Assignment No: 1

Submitted to: Suravi Akhter

Submitted by: Rahul Raj

Student ID: 252014104

Write a C program to convert seconds to years, months, days, hours, minutes and remaining seconds. For example, 9999993680 seconds = 316 years, 9 months, 29 days, 1 hour, and 1,166 seconds.

```
C assin.c x
C assin.c > main()
1  #include <stdio.h>
2
3  int main()
4  {
5      long long int total_seconds, years, months, days, hours, minutes, seconds, remainder;
6
7      printf("Enter seconds: ");
8      scanf("%lld", &total_seconds);
9
10     years = total_seconds / 31536000;
11     remainder = total_seconds % 31536000;
12
13     months = remainder / 2592000;
14     remainder = remainder % 2592000;
15
16     days = remainder / 86400;
17     remainder = remainder % 86400;
18
19     hours = remainder / 3600;
20     remainder = remainder % 3600;
21
22     minutes = remainder / 60;
23     seconds = remainder % 60;
24
25     printf("Converted form of %lld seconds is: %lld years, %lld months, %lld days, %lld hours, %lld minutes, and %lld seconds",
26           total_seconds, years, months, days, hours, minutes, seconds);
27
28     return 0;
29 }
```

```
C assin.c x
C assin.c > main()
1  #include <stdio.h>
2
3  int main()
4  {
5      long long int total_seconds, years, months, days, hours, minutes, seconds, remainder;
6
7      printf("Enter seconds: ");
8      scanf("%lld", &total_seconds);
9
10     years = total_seconds / 31536000;
11     remainder = total_seconds % 31536000;
12
13     months = remainder / 2592000;
14     remainder = remainder % 2592000;
15
16     days = remainder / 86400;
17     remainder = remainder % 86400;
18
19     hours = remainder / 3600;
20     remainder = remainder % 3600;
21
22     minutes = remainder / 60;
23     seconds = remainder % 60;
24
25     printf("Converted form of %lld seconds is: %lld years, %lld months, %lld days, %lld hours, %lld minutes, and %lld seconds",
26           total_seconds, years, months, days, hours, minutes, seconds);
27
28     return 0;
29 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Acer@SQUARE MINGW64 /d/c programming
$ cd "/d/c programming/" && gcc assin.c -o assin.exe && "/d/c programming/"assin.exe
Enter seconds: 34580145
Converted form of 34580145 seconds is: 1 years, 1 months, 5 days, 5 hours, 35 minutes, and 45 seconds
Acer@SQUARE MINGW64 /d/c programming
$
```