

LAB-1

8. EARTH TAKES A PERIOD OF REVOLUTION OF 31558150 SECONDS .WRITE A C PROGRAM TO CONVERT THIS INTO NUMBER OF DAY,HOURS AND MINUTES

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

```
int main()
```

```
{ long int t;
```

```
int days,hours,minutes,seconds;
```

```
printf("time of revolution in seconds=");
```

```
scanf("%ld",&t);
```

```
days=t/(24*3600);
```

```
t=t%(24*3600);
```

```
hours=t/(3600);
```

```
t=t%3600;
```

```
minutes=t/60;
```

```
t=t%60;
```

```
seconds=t;
```

```
printf("Earth's period of revolution=\n");
```

```
printf("%d days, %d hours, %d minutes, %d seconds\n", days, hours,  
minutes, seconds);
```

```
}
```

```

C 04.c C 05.c C 06.c C 07.c C 08.c x 08.exe
clg > C 08.c > main()
1  #include <stdio.h>
2
3  int main()
4  {   long int t;
5      int days,hours,minutes,seconds;
6
7      printf("time of revolution in seconds=");
8      scanf("%ld",&t);
9
10     days=t/(24*3600);
11     t=t%(24*3600);
12
13     hours=t/(3600);
14     t=t%3600;
15
16     minutes=t/60;
17     t=t%60;
18     seconds=t;
19
20
21
22     printf("Earth's period of revolution=\n");
23     printf("%d days, %d hours, %d minutes, %d seconds\n", days, hours, minutes, seconds);
24
25
26 }
27

```

TERMINAL

```

PS C:\Users\Sumit\Desktop\vscode> cd clg
PS C:\Users\Sumit\Desktop\vscode\clg> gcc 08.c
PS C:\Users\Sumit\Desktop\vscode\clg> .\08.exe
time of revolution in seconds=31558150
Earth's period of revolution=
365 days, 6 hours, 9 minutes, 10 seconds
PS C:\Users\Sumit\Desktop\vscode\clg>

```