

Assignment 1:

Q. Write a C program to convert seconds to years, months, days, hours, minutes and remaining seconds.

Ans: #include <stdio.h>

```
int main () {
```

```
long long total - seconds;
```

```
printf ("Enter total seconds: ");
```

```
scanf ("%lld", &total - seconds);
```

```
long long years, months, days, hours, minutes, seconds;
```

```
years = total - seconds / (365LL * 24 * 3600);
```

```
total - seconds %= (365LL * 24 * 3600);
```

```
months = total - seconds / (30LL * 24 * 3600);
```

```
total - seconds %= (30LL * 24 * 3600);
```

```
days = total - seconds / (24LL * 3600);
```

```
total - seconds %= (24LL * 3600);
```

```
hours = total - seconds / 3600;
```

```
total - seconds %= 3600;
```

```
minutes = total - seconds / 60;
```

```
seconds %= total - seconds / 60;
```

```
printf ("Result: %lld years, %lld months, %lld days,
```

```
%lld hours, %lld minutes, %lld seconds\n",
```

```
years, months, days, hours, minutes, seconds);
```

```
return 0;
```

```
}
```