**Name:** Joye Arufa Neushe

**ID:** 252014004

**Question**

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.

**Answer**

#include <stdio.h>

int main() {

long long seconds;

printf("Enter total seconds: ");

scanf("%lld", &seconds);

long long sec\_per\_min = 60;

long long sec\_per\_hour = 60 \* sec\_per\_min;

long long sec\_per\_day = 24 \* sec\_per\_hour;

long long sec\_per\_month = 30 \* sec\_per\_day; // 1 month = 30 days

long long sec\_per\_year = 365 \* sec\_per\_day; // 1 year = 365 days

long long years, months, days, hours, minutes, rem\_seconds;

years = seconds / sec\_per\_year;

seconds = seconds % sec\_per\_year;

months = seconds / sec\_per\_month;

seconds = seconds % sec\_per\_month;

days = seconds / sec\_per\_day;

seconds = seconds % sec\_per\_day;

hours = seconds / sec\_per\_hour;

seconds = seconds % sec\_per\_hour;

minutes = seconds / sec\_per\_min;

rem\_seconds = seconds % sec\_per\_min;

printf("\nEquivalent time:\n");

printf("%lld years, %lld months, %lld days, %lld hours, %lld minutes, %lld seconds\n",

years, months, days, hours, minutes, rem\_seconds);

return 0;

}