



ASSIGNMENT

Submitted to : SURAVI AKHTER

Submitted by

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Course code: 0613-014-1201

Course name: Structured Programming

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 total_seconds;
    printf("Enter total seconds: ");
    scanf("%lld", &total_seconds);

    int SECONDS_IN_MINUTE = 60;
    int SECONDS_IN_HOUR = 60 * SECONDS_IN_MINUTE;
    int SECONDS_IN_DAY = 24 * SECONDS_IN_HOUR;
    int SECONDS_IN_MONTH = 30 * SECONDS_IN_DAY;
    int SECONDS_IN_YEAR = 365 * SECONDS_IN_DAY;

    int years = total_seconds / SECONDS_IN_YEAR;
    total_seconds %= SECONDS_IN_YEAR;

    int months = total_seconds / SECONDS_IN_MONTH;
    total_seconds %= SECONDS_IN_MONTH;

    int days = total_seconds / SECONDS_IN_DAY;
    total_seconds %= SECONDS_IN_DAY;

    int hours = total_seconds / SECONDS_IN_HOUR;
    total_seconds %= SECONDS_IN_HOUR;

    int minutes = total_seconds / SECONDS_IN_MINUTE;
    total_seconds %= SECONDS_IN_MINUTE;

    int seconds = total_seconds;

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

    return 0;
}
```

Output

Clear

Enter total seconds: 99999988886

3170 years, 11 months, 27 days, 6 hours, 41 minutes, 26 seconds

=== Code Execution Successful ===