main.c

```c
//DAY 5
//Q9
#include <stdio.h>
#include <math.h>

int main() {
    float principal, rate, time;
    float simpleInterest, compoundInterest, amount;

    printf("Enter Principal amount: ");
    scanf("%f", &principal);

    printf("Enter Rate of Interest (in %%): ");
    scanf("%f", &rate);

    printf("Enter Time (in years): ");
    scanf("%f", &time);

    simpleInterest = (principal * rate * time) / 100;

    amount = principal * pow((1 + rate / 100), time);
    compoundInterest = amount - principal;

    printf("Simple Interest = %.2f\n", simpleInterest);
    printf("Compound Interest = %.2f\n", compoundInterest);
    return 0;
}
```

Output

```
Enter Principal amount: 200000
Enter Rate of Interest (in %): 5
Enter Time (in years): 3
Simple Interest = 30000.00
Compound Interest = 31524.97


=== Code Execution Successful ===
```

```c
//DAY 5
//Q10
#include <stdio.h>

int main() {
    int totalSeconds, hours, minutes, seconds;

    printf("Enter time in seconds: ");
    scanf("%d", &totalSeconds);

    hours = totalSeconds / 3600;
    minutes = (totalSeconds % 3600) / 60;
    seconds = totalSeconds % 60;

    printf("Time = %02d:%02d:%02d\n", hours, minutes, seconds);

    return 0;
}
```

Output

```
Enter time in seconds: 4300
Time = 01:11:40


=== Code Execution Successful ===
```