C Programming Assignment 1

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1 Calculate interest.

```c
#include <stdio.h>

int main() {
    float principal, rate, time, interest;

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

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

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

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

    printf("Simple Interest = %.2f\n", interest);

    return 0;
}
```

```
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2
3   int main() {
4       float principal, rate, time, interest;
5
6       printf("Enter Principal amount: ");
7       scanf("%f", &principal);
8
9       printf("Enter Rate of Interest (in %%): ");
10      scanf("%f", &rate);
11
12      printf("Enter Time (in years): ");
13      scanf("%f", &time);
14
15      interest = (principal * rate * time) / 100;
16
17      printf("Simple Interest = %.2f\n", interest);
18
19      return 0;
20  }
21
```

```
Enter Principal amount: 6900
Enter Rate of Interest (in %): 69
Enter Time (in years): 6
Simple Interest = 28566.00


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

Figure 1: solution16