

# C programming Assignment 16

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```
#include <stdio.h>

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

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

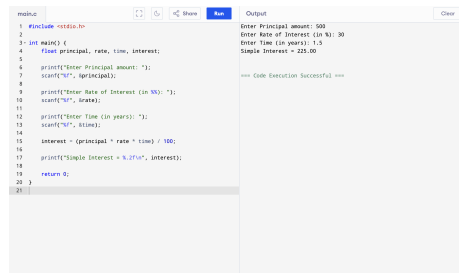
    printf("Enter Rate of Interest (in %%): ");
    scanf("%f", &rate);

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

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

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

    return 0;
}
```



```
main.cpp 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21  
1 #include <stdio.h>  
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", interest);  
18  
19    return 0;  
20 }  
21
```

Output

```
Enter Principal amount: 500  
Enter Rate of Interest (in %) 30  
Enter Time (in years): 1.5  
Simple Interest = 225.00  
  
=== Code Execution Successful ===
```

Figure 1: program 16