



SCSA2602-Compiler Design Lab

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Question 1
Incorrect
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Write a C Program for EMI Calculator

Test Case:

Standard Input:

Enter principal: 33

Enter rate: 456

Enter time in year: 22

Expected Output:

Monthly EMI is= 12.540000

FORMULA:

```
rate = rate / (12 * 100); /*one month interest*/  
time = time * 12; /*one month period*/  
emi = (principal * rate * pow(1 + rate, time)) / (pow(1 + rate, time) - 1);
```

Quiz navigation

1

Finish attempt ...

Monthly EMI is= 12.540000

FORMULA:

rate = rate / (12 * 100); /*one month interest*/

time = time * 12; /*one month period*/

emi = (principal * rate * pow(1 + rate, time)) / (pow(1 + rate, time) - 1);

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<math.h>
3 int main()
4 {
5     float principal, rate, time, emi;
6
7     scanf("%f",&principal);
8
9     scanf("%f",&rate);
10
11    scanf("%f",&time);
12
13    rate=rate/(12*100);
14
15    time=time*12;
16
17    emi= (principal*rate*pow(1+rate,time))/(pow(1+rate,time)-1);
18
19    printf("%f\n",emi);
20
21    return 0;
22 }
```

CHECK

Syntax Error(s)

```
/usr/bin/ld: /tmp/cc0l0hS5.o: in function `main':  
__tester__.c:(.text+0xc9): undefined reference to `pow'  
/usr/bin/ld: __tester__.c:(.text+0xfa): undefined reference to `pow'  
collect2: error: ld returned 1 exit status
```

FINISH ATTEMPT ...

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