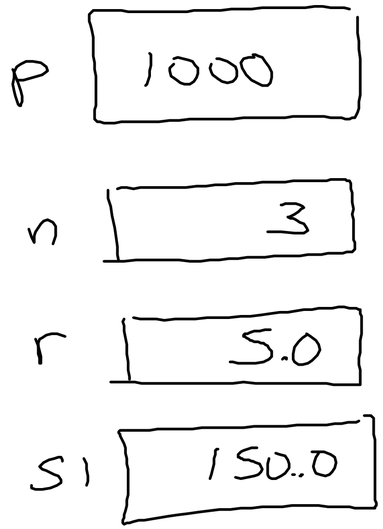
```
// double slash is a comment
//   your name   Feb 3 2020
//   program to find simple
//   interest given principle,
//   rate and number of years

#include <stdio.h>
int main() //the "main" or first functio
{
   int p, n; //p is principle, n is numyears}
   float si, r; //SI is simple interest
                //  r is interest rate
   p = 1000; //principle is $1000
   n = 3;  // 3 years
   r = 5;  // 5.0%
   si = p*n*r/100;
   printf("%f", si);
}
```

mult
div

format specifier



non-destructive read
destructive write

```
150.000000
Press any key to continue...
```

%f float
%d decimal int
%X or %x hex int
%o or %q octal int
%b binary int
%lf double (long float)

```c
// ver2 interest
#include <stdio.h>
int main()
{
    int p,n;
    float r,si;
    printf("Enter principle: ");
    scanf("%d",&p);
    printf("Enter number of years: ");
    scanf("%d",&n);
    printf("Enter rate: ");
    scanf("%f",&r);
    si = p*n*r/100;
    printf("Simple interest is: %f",si);
}
```

address of p

(user input underlined)

```
Enter principle: 5000
Enter number of years: 10
Enter rate: 5.0
Simple interest is 2500.000000
```