Lab2

1, copy the following code to your VS, make it run successfully and see what is the result. (hint: make use of your hello world program.)

```cpp
float b = 2.7;
int a = 2;
cout << "original value of a: "<<a<<endl;
a = a + 1;
cout << "result of a=a+1: " << a << endl;
a = a / 2;
cout << "result of a=a/2: " << a << endl;
a = 7 % 4;
cout << "result of a=7%4: " << a << endl;
a += 5;
cout << "result of a+=5: " << a << endl;
a++;
cout<< "result of a++: " << a << endl;
a = b;
cout << "result of a = b: "<<a<<endl;
b = a;
cout << "result of b=a: " << b << endl;
b = 1.7 + 3;
cout << "result of b=b+3: " << b << endl:

b = float(a) / 3.0;
cout << "result of b=float(a)/2.0: " << b << endl;
b = float(a) / 3;
cout << "result of b=float(a)/2: " << b << endl;
b = float(a) / float(3);
cout << "result of b=float(a)/float(2): " << b << endl;
b = (float)a / 3.0;
cout << "result of b=(float)a/2.0: " << b << endl << endl;

keep_open();
```

2, write a program, let user type in two integers(stored in int variable val1 and val2) and print out the result of val1+val2, val1/val2, val1*val2,val1-val2.

PS: the output should be complete (or you will lose point).

In your command window the output should look like this:

please type in val1:

2

Please type in val2:

3

val1+val2=5

val1-val2=-1

val1*val2=6

val1/val2=0

3, The same as 2 but the data type is now float.