Quiz 2

1. Examine each of the following snippets of code and list the output when it runs. Write 'error' if you think the code will crash (i.e. raise an error) during execution. Write '- nothing -' if you think the code will not produce any output.   **[5 marks]**

(i)	(ii)
```x = 3 y = 5 z = 3 z -= x - y``` *z -= 3-5* *z -= -2* ```print(z)``` *z+=2* ```x = 5 y = 3 z = x - y``` *[Z=5]* ```x = 7 print(x)``` *7* ```print(5 % 3 * 2)``` *2*2 = 4*	```a = 8 b = 3 c = 2``` *8+3=11* ```print(str(a + b)) total = a + b print(total)``` *11* ```print(a / c ** b)``` *8/2** 3* *8/8* *1.0*
Answer: 5 7 4	**Answer:** 11 11 1.0

2. Write a program that prompts the user for two numbers with decimal places and an operator ("+" or "-"). The program then displays the result (a + b or a - b). Assume correct inputs. **[5 marks]**

Sample Run 1:

```
c:\quiz2>python q2.py
Enter a:4.0
Enter b:2.2
enter op:+
6.2
```

Sample Run 2:

```
c:\quiz2>python q2.py
Enter a:4
Enter b:3
enter op:-
1.0
```

Answer:

```
a = float(input("Enter a:"))
b = float(input("Enter b:"))
op = input("enter op:")
if op == "+":
    print(a+b)
else:
    print(a-b)
```