CSI 31 Lecture 17 In-class assignment

1. What will the following code produce on the input **150, 100, 4** ?

```
d = 600
while True:
        n = int(input("Enter a value:"))
        if n >= 100:
                d = d/n
        else:
                break
print("d = ",d)
```

d = 0.04

2. Write the code that will be prompting a user for the next integer value until the user enters 500.

```
nextValue=0
while nextValue != 500:
    nextValue = int(input("Enter the next integer, to stop enter 500:"))
```

3. Assume I need to <u>negate</u> the following conditions. Write the conditional using inequality symbols, logical operators (if necessary) and **n**.

(a) "the value of **n** is greater than 10 or less than 5".

Negation: "the value of n is not greater than 10 and not less than 5", i.e. "the value of n is less than or equal to 10 and greater or equal to 5"
```
5 <= n <= 10
```

(b) "**n** is above 18"

Negation: n is not above 18, i.e. n is below 18 or equal to 18
```
n <= 18
```

(c) "n is one of the values from the list [1,2,3,4,5,6]"

Negation: n is not in the list [1,2,3,4,5,6]
```
n is not in [1,2,3,4,5,6]
```