assignment-0

January 19, 2018

In [8]:
```
# Question 1 -
# print the string within the (excluding) square braces with the double quotations and
# ["How's everyone?", asked Sam.]
# Hint: Use raw strings or escape characters

s = '"How\'s everyone?", asked Sam.'
print(s)
```

```
"How's everyone?", asked Sam.
```

In [10]:
```
# Question 2
# print the value of the following expression in integer form
# 3 + 32 / 6 * 9 - 12
# Hint: use int() function


print(int(3 + 32 / 6 * 9 - 12))
```

```
39
```

In [12]:
```
# Question 3
# print numbers from 10 to 1 (decreasing order) using range() function
# complete the range function

print(list(range(10, 0, -1)))
```

```
[10, 9, 8, 7, 6, 5, 4, 3, 2, 1]
```

In [15]:
```
# Question 4
# Write a program which takes the following inputs
# a. Last name
# b. First name
# c. age
# and prints
# Length of last name
```

```
        # length of first name
        # Last name followed by coma followed by first name and age in 10 years

        # Ex: For the following input,
        # a. Last name: Doe
        # b. First name: Jane
        # c. age: 23
        # the output should be:
        # Last name has 3 characters
        # First name has 4 characters
        # Full name is Doe, Jane and age in 10 years is 23

        # Fill in the blanks to get the program running

        last_name = "Doe"
        first_name = "Jane"
        age = 23

        print("Last name has {} characters".format(len(last_name)))
        print("First name has {} characters".format(len(first_name)))
        print("Full name is {}, {} and age in 10 years is {}".format(last_name, first_name, ag
```

```
Last name has 3 characters
First name has 4 characters
Full name is Doe, Jane and age in 10 years is 33
```

```
In [21]: # Question 5
         # Write a program which takes username and password as input.
         # Call a login function, which returns true if the username is 'jdoe' and password is
         # Else, returns false
         # using the return value from the function print successful or retry message

         def login(username, password):

             if username == "jdoe" and password == "$12@jd56":
                 return True
             else:
                 return False

         # read input from user
         uname = "jdoe"
         passwd = "$12@jd56"

         # call the function with the inputs
         result = login(uname, passwd)
         print(result)
```

```
uname = "smith"
passwd = "1234"

# call the function with the inputs
result = login(uname, passwd)
print(result)
```

```
True
False
```

```
In [2]: # Question 6
        # Modify the previous program to give the user 3 chances to login.
        # If the credentials do not match, give the user a chance to reenter his username and
        # If the credentials do not match after the third chance, print no more chances
        # Hint: Use if..else, for/while and break statements

        def login(username, password):

            if username == "jdoe" and password == "$12@jd56":
                return True
            else:
                return False

        chance = 1
        result = False
        while not result:
            # read input from user
            uname = input("Enter user name: ")
            passwd = input("Enter password: ")

            # call the function with the inputs
            result = login(uname, passwd)

            if chance == 3:
                print("No more chances.")
                break

            if result == False:
                chance += 1
```

```
Enter user name: jdoe
Enter password: $12@jd56
```