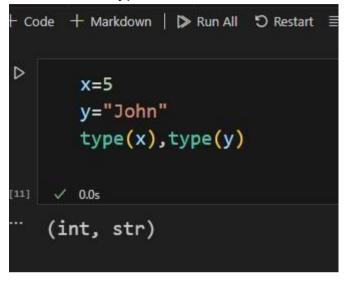
ASSIGNMENT - Python[Major]

1. Find the data type of these two declarations. x=5 y="John"



- 2. Check whether the following syntax is valid or invalid for naming a variable?
 - 1) 3a=10
 - 2) @abc=10
 - 3) a100=100
 - 4) _a984_=100 5) a9967\$=100
 - 6) xyz-2=100

ASSIGNMENT - Python[Major]

3. Check if an element exists in the list in Python. list = test list = [1, 6, 3, 5, 3, 4] 1) Check if 3 exist or not.

```
+ Code + Markdown | ▶ Run All ⊅ Restart ➡ Clear All Outputs | ➡ Outline

list = test_list = [1, 6, 3, 5, 3, 4]

v 0.0s

if 3 in list:
    print("exist")
    else:
        print("does not exist")

v 0.0s

m exist
```

2) Check if 9 exists or not.

ASSIGNMENT - Python[Major]

4. Take the user input to print the current date?

```
jarves = input("how can i help you")
   import datetime
   date=datetime.datetime.now().date()
   print(jarves,date)

/ 4.6s

current date 2024-04-03

+ Code
```

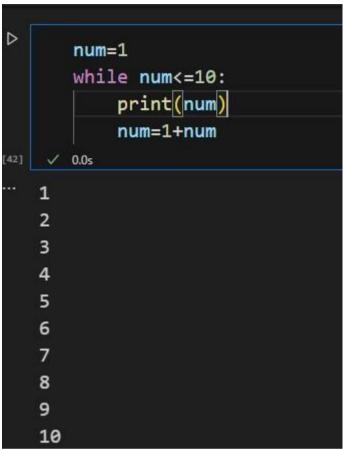
5. What is the output of the following code?

a) print 9//2

b) print 9%2

ASSIGNMENT - Python[Major]

6. Print the First 10 Natural Numbers using a while loop.



ASSIGNMENT - Python[Major]

7. Write a program to accept a number from a user and calculate the sum of all numbers from 1 to a given number.

```
Code + Markdown | ▶ Run All S Restart 

Clear All Outputs | 

Outline …
D
      num = int(input("Enter a number: "))
      sum numbers = 0
      for i in range(1, num + 1):
          sum numbers += i
          print("The sum of all numbers from 1 to", nu
   ✓ 2.0s
  The sum of all numbers from 1 to 10 is: 1
   The sum of all numbers from 1 to 10 is: 3
   The sum of all numbers from 1 to 10 is: 6
   The sum of all numbers from 1 to 10 is: 10
   The sum of all numbers from 1 to 10 is: 15
   The sum of all numbers from 1 to 10 is: 21
   The sum of all numbers from 1 to 10 is: 28
   The sum of all numbers from 1 to 10 is: 36
   The sum of all numbers from 1 to 10 is: 45
   The sum of all numbers from 1 to 10 is:
```

8. Write a Python program that iterates the integers from 1 to 50. For multiples of three print "Fizz" instead of the number and for multiples of five print "Buzz". For numbers that are multiples of both three and five print "FizzBuzz"?

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COURSE NAME - DATA SCIENCE WITH PYTHON CAREER PROGRAM

ASSIGNMENT - Python[Major]

```
+ Code + Markdown | ▶ Run All ▷ Restart ➡ Clear All Outputs | ➡ Outline ...

for num in range(1, 51):
    if num % 3 == 0 and num % 5 == 0:
        print("FizzBuzz")
    elif num % 3 == 0:
        print("Fizz")
    elif num % 5 == 0:
        print("Buzz")
    else:
        print(num)

[47] ✓ 0.0s
```

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COURSE NAME - DATA SCIENCE WITH PYTHON CAREER PROGRAM

ASSIGNMENT - Python[Major]

```
1
 2
 Fizz
 4
 Buzz
 Fizz
 7
 8
 Fizz
 Buzz
 11
 Fizz
 13
 14
 FizzBuzz
 16
 17
 Fizz
 19
 Buzz
 Fizz
 22
```

ASSIGNMENT - Python[Major]

```
14
FizzBuzz
16
17
Fizz
19
Buzz
Fizz
22
23
Fizz
Buzz
47
Fizz
49
Buzz
```

THE END
THANK YOU