CMP167 – Quiz #03

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Results: Class:

                                          Date:

1. Before reading or writing to a file, a file object must be created via

   a. **open**
   b. create
   c. File
   d. Folder

2. A method that returns the value of an object's instance variable is called a(n)

   a. mutator
   b. function
   c. constructor
   d. **accessor**

3. Which of the following is the same as `s[0:-1]`

   a. `s[-1]`
   b. `s[:]`
   c. **`s[:len(s)-1]`**
   d. `s[0:len(s)]`

4. What is the output of the following expression?

   `int(str(2*2)*3)*2`

   888

5. What is the difference between a class and an object?

   An object is an instance of a class. A class is akin to a recipe or blueprint of a class.

6. What does it mean to be *mutable*? Are python lists mutable? What about strings?

   Mutable means changeable. Python lists are mutable, but strings are not.

7. The following program encodes a user's input into ASCII. Complete the program

```
name = input("Please enter your name")
seq = []
for i in name:
    seq.append(ord(i))
print(str(seq))
```

Extra Credit: Write a program that accepts a series of input numbers from the user, decodes it using the chr() function, and outputs the decoded string. Use the back of this page to write your answer.

```python
text = input("Please enter input numbers separated by spaces.")
split_text = text.split()
decoded_text = []
for number in split_text:
        decoded_text.append(chr(int(number)))
print("".join(decoded_text))
```