ClassActivity_2

Due Sep 15 at 2:45p.m.   **Points** 10   **Questions** 10

Available Sep 15 at 1p.m. - Sep 15 at 3p.m. 2 hours   **Time Limit** None

Allowed Attempts 3

Instructions

This is a class activity quiz associated with the lecture 2 (on OOP).

Please submit before the deadline. No late submission is accepted.

For this activity, you are allowed three attempts, and it is not timed.

This quiz was locked Sep 15 at 3p.m..

Attempt History

	Attempt	Time	Score
KEPT	**Attempt 3**	less than 1 minute	9 out of 10
LATEST	**Attempt 3**	less than 1 minute	9 out of 10
	Attempt 2	3 minutes	9 out of 10
	Attempt 1	3 minutes	6 out of 10

Score for this attempt: **9** out of 10

Submitted Sep 15 at 2:44p.m.

This attempt took less than 1 minute.

Question 1	**1 / 1 pts**

_____ is a template, blueprint, or contract that defines objects of the same type.

Correct!

⦿ A class

○ An object

○ A method

○ A data field

Question 2

1 / 1 pts

The keyword _____ is required to define a class.

○ def

○ return

Correct!

⦿ class

○ none of the above

Question 3

1 / 1 pts

An object is an instance of a _____.

○ program

Correct!

⦿ class

○ method

○ data

Question 4

0 / 1 pts

Analyze the following code:

```
class A:
    def __init__(self, s):
        self.s = s

    def print(self):
        print(s)

a = A("Welcome")
a.print()
```

○ The program has an error because class A does not have a constructor.

You Answered

◉ The program has an error because class A should have a print method with signature print(self, s).

○ The program has an error because class A should have a print method with signature print(s).

Correct Answer

○ The program would run if you change print(s) to print(self.s).

Question 5

1 / 1 pts

What is printed by the following code?

```
class Count:
    def __init__(self):
```

```
        self.count = 0

def increment(c, times):
    c.count += 1
    times += 1

def main():
    myCount = Count()
    times = 0

    for i in range(0, 100):
        increment(myCount, times)

    print("count is", myCount.count, "and times is", times)

if __name__=="__main__":
    main()
```

○ count is 100 and times is 100

○ count is 0 and times is 0

○ count is 0 and times is 100

Correct!

◉ count is 100 and times is 0

Question 6   1 / 1 pts

What is printed by the following code?

```
class Foo:
    def __init__(self):
        self.x = 1
        self.__y = 1

    def getY(self):
        return self.__y

foo = Foo()
print(foo.x)
```

○ The program has an error because x is private and cannot be
  accessed outside of the class.

○

The program has an error because y is private and cannot be accessed outside of the class.

○

The program has an error because you cannot name a variable using ___y.

Correct!   ⦿ The program runs fine and prints 1.

Question 7   1 / 1 pts

What is printed by the following code?

```
class Foo:
    def __init__(self):
        self.x = 1
        self.__y = 1

    def getY(self):
        return self.__y

foo = Foo()
print(foo.__y)
```

○

The program has an error because x is private and cannot be accessed outside of the class.

Correct!   ⦿

The program has an error because y is private and cannot be accessed outside of the class.

○

The program has an error because you cannot name a variable using ___y.

○ The program runs fine and prints 1.

Question 8

1 / 1 pts

Given a string `s = "Welcome"`, which of the following code is incorrect?

○ print(s[0])

○ print(s.lower())

Correct!

◉ s[1] = 'r'

○ print(s.islower())

Question 9

1 / 1 pts

Assume:

`msg = "Programming is fun"`

what is `msg[4: 6]`?

○ ram

Correct!

◉ ra

○ r

○ rom

Question 10	1 / 1 pts

Which of the following is a Python list?

Correct!

- ⦿ [1, 2, 3]

- ○ (1, 2, 3)

- ○ {1, 2, 3}

Quiz Score: **9** out of 10