1. What does the following program print?

2. What does the following program print?

```
class Domino():
     def init (self, pa, pb):
           self.pa = pa
           self.pb = pb
     def display(self):
           print("Side A: ", self.pa, end = " ")
           print("Side B: ", self.pb, end = " ")
     def value(self):
           return (self.pa + self.pb)
D1 = Domino(2, 6)
D2 = Domino(4, 3)
print("These points sum up to: ", D1.value() + D2.value())
  a. These points sum up to: 15
  b. These points sum up to: 6
  c. These points sum up to: 9
  d. Crashes
  e. None of the above
```

3. What does the following program print?

```
class CardGame():
        color = ("Spades", "Diamond", "Club", "Heart")
        value = (2, 3, 4, 5, 6, 7, 8, 9, 10, "Jack", "Queen", "King", "Ace")

def __init__(self):
        self.card = []
        for col in range (4):
            for val in range(13):
                self.card.append((val, col))
            return

game = CardGame()
print(game.color)
        a. ("Spades", "Diamond", "Club", "Heart")
        b. ("Spades")
        c. (2, 3, 4, 5, 6, 7, 8, 9, 10, "Jack", "Queen", "King", "Ace")
        d. Error message

Consider the previous program. What will be printed if print (CardGame.color) replaced
```

- 4. Consider the previous program. What will be printed if print (CardGame.color) replaced the last line?
 - a. ("Spades", "Diamond", "Club", "Heart")
 - b. ("Spades")
 - c. (2, 3, 4, 5, 6, 7, 8, 9, 10, "Jack", "Queen", "King", "Ace")
 - d. Error message
- 5. What does the following program print?

- 6. Consider the previous program. What will be printed if print (CardGame.color) replaced the last line?
 - a. ("Spades", "Diamond", "Club", "Heart")
 - b. ("Spades")
 - c. (2, 3, 4, 5, 6, 7, 8, 9, 10, "Jack", "Queen", "King", "Ace")
 - d. Error message

7. Write a recursive version of the following program that computes the sum of the integers from 0 to n

```
def sumIterative(n):
    sum = 0
    for i in range(n+1):
        sum = sum + i
    return sum
num = sumIterative(8)
print(num)  #What does this print
```

8. Consider the following piece of code

```
class Pointset(object):
           def __init__(self, points):
                  '''(Pointset, list of Point objects) -> None
                 Initializes the Pointset with the list of
Points.'''
                 self.points = points
     Which of the following can be used to create a Pointset object?
      (I)
     points=[Point(1,2), Point(2,1), Point(0,0)]
     nouveau pointset=Pointset(points)
      (II)
     nouveau pointset=Pointset( Point(1,2), Point(2,1), Point(0,0)
)
      (III)
     nouveau pointset=Pointset([Point(0,0)])
  a. I
  b. II
  c. III
  d. I and II
  e. I and III
```

Answers: https://bit.ly/2Gfz1yH:)