

Quiz

Objects and Classes

1. Consider the class Rectangle, what are the data attributes:

1 point

```
1 class Rectangle(object):
2
3     def __init__(self,width=2,height =3,color='r'):
4         self.height=height
5         self.width=width
6         self.color=color
7
8     def drawRectangle(self):
9         import matplotlib.pyplot as plt
10        plt.gca().add_patch(plt.Rectangle((0, 0),self.width, self.height ,fc
11        =self.color))
12        plt.axis('scaled')
13        plt.show()
```

- ☒ self.height, self.width,self.color
- ☐ drawRectangle
- ☐ __init__

2. What is the result of running the following lines of code ?

1 point

```
1 class Points(object):
2     def __init__(self,x,y):
3
4         self.x=x
5         self.y=y
6
7     def print_point(self):
8
9         print('x=',self.x, ' y=',self.y)
10
11 p1=Points("A", "B")
12 p1.print_point()
```

- ☐ x= A
- ☐ y= B
- ☒ x= A y= B

3. What is the result of running the following lines of code ?

1 point

```
1 class Points(object):
2     def __init__(self,x,y):
3
4         self.x=x
5         self.y=y
6
7     def print_point(self):
8
9         print('x=',self.x, ' y=',self.y)
10
11 p2=Points(1,2)
12
13 p2.x=2
14
15 p2.print_point()
```

- ☒ x=2 y=2
- ☐ x=1 y=2
- ☐ x=1 y=1