Quiz 8 Name_____

1. The following definition of a TeaPot class is given:

```
class TeaPot(object):
    def __init__(self,capacity,ounces):
        # max amount of tea that the pot can hold
        self.size = capacity
        # total tea currently in the pot
        self.ouncesRemaining = ounces

    def fillUp(self):
     self.ouncesRemaining = self.size

    def getOuncesRemaining(self):
        return self.ouncesRemaining
```

Write a function called `pourOut` for the `TeaPot` class, that takes one integer value, the amount of ounces to be poured, and attempts to pour out this much tea. However, if there is not enough tea left, then it pours out tea until the pot is completely empty. The function returns the number of ounces poured out. Make sure that the state of the teapot is consistent after the tea is poured out. (3 points)

```
def pourOut(self, amount):

    #Put your code here
```

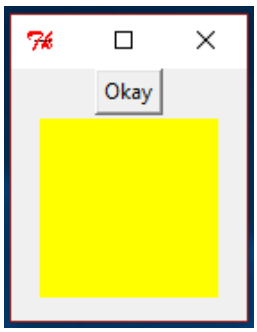
2. What would be output of the following code? (2 point)

```
class Quiz8:
    def __init__(self,a,b=5,c="Blank"):
        self.X = a
        self.Y = b
        self.Z = c
        self.W = 12

    def __str__(self):
        return str(self.X)+str(self.Y) + self.Z

Q = Quiz8(4,c="myVal")
print (Q)
```

3. Consider the following code and then answer the given questions:

```
1  from tkinter import *

2  wnd = Tk()
3  canvas = Canvas(wnd,bg="yellow",width=200,height=200)
4  okay = Button(wnd,text="Okay")
5  wnd.mainloop()
```

a. Add code to the above snippet such that you get the following window when this code is executed. (Assume there are no errors). Please indicate in terms of line numbers where you are adding your code. (2 pts)



b. Change the code given above, such that if the Okay button is pressed, your code prints "Okay". You are only allowed to change existing lines (indicate which line numbers you are changing) - you cannot add any extra lines of code. (3 pts)