

Daily Code Practice

1. What is the output of the following code?

```
def boolstuff(x, y, z):  
    if x and y and not z:  
        return "breakfast"  
    elif x and not y and z:  
        return "lunch"  
    elif x and y and z:  
        return "dinner"  
    elif not x and y and z:  
        return "brunch"  
    elif not x and not y and z:  
        return "supper"  
    else:  
        return "linner"
```

```
print boolstuff (True, True, True)  
print boolstuff (False, False, False)  
print boolstuff (True, False, True)  
print boolstuff (False, False, True)  
print boolstuff (True, True, False)  
print boolstuff (False, True, True)
```

2. Write a function called retBool that receives three parameters, a list and two integers (nums, a, b). The function will return True if a is found in the list of integers exactly b number of times. Otherwise it will return False.

ANSWER HERE:

Sample Output:

```
retBool ([4,6,4,4,2,9], 4, 1) -> False  
retBool ([6,6,3,1,6,2,9,3], 3, 2) -> True
```

3. What is the output of the following code?

```
def whileloop(nums, max):  
    total = 1  
    i = 0  
    while total < max and i < len(nums):  
        total = total * nums[i]  
        i = i + 1  
    return total
```

```
print whileloop ([1, 3, 2, 7, 2, 1, 2 ], 70)  
print whileloop ([3, 2, 4, 2, 1, 2, 4, 6, 5 ], 46)
```

4. Write a function called indexlist that receives two parameters, a string and a char (mystr, char). The function will return a list that contains all of the index values where char can be found in mystr.

ANSWER HERE:

Sample Output:

```
indexlist ("elephants eat peanuts", "e") -> [0, 2, 10, 15]  
indexlist ("orangutans eat bananas", "n") -> [3, 8, 17, 19]
```