Daily Code Practice

1. What is the output of the following code?

```
def boolfunction(s, t):
    if s and not t:
        return s
    elif t and not s:
        return not t
    elif not t or not s:
        return t
    else:
        return True
```

```
print boolfunction (False, True)
print boolfunction (True, True)
print boolfunction (False, False)
```

2. Write a function called comp10 that receives a single list parameter (nums). The function will return the sum of all items in the list at the odd indexes that are less than 10. It will also add to the sum all items that are even numbers regardless of the index.

```
Examples:
comp10([4,13,5,6,12,3])  ->  25
comp10 ([3,5,6,10])  ->  21
```

ANSWER HERE:

3. What is the output of the following function calls?

```
def rangefunc(chars, a, b) :
    newstring = ""
    for i in range(a, b, 3):
        newstring = newstring + chars[i]
    return newstring
```

```
print rangefunc ("bobsyouruncle", 2, 11)
print rangefunc ("supercalifragilisticexpialidoshus:, 4, 18)
```

4. Write a function called rangeList2 that receives four parameters, a list and three integers (nums, x, y, z). The function will return a list comprised of the values in nums from index x up to but not including the index y, stepping every z indexes.

ANSWER HERE:

```
Examples:
rangeList2 ([3, 1, 6, 9, 4, 0, 4], 2, 5, 2)  ->  [6,4]
rangeList2 ([0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10], 1, 9, 3)  ->  [1, 4, 7]
```