```
1 """
2 1. Modify the code below to count 'up' in increments of +2
3 """
4 for word in range(100, 0, -10):
5     print (word)
```

```
100
90
80
70
60
50
40
30
20
10
```

```
1 """
2 2. Change the code below to count down in increments of -2.0
3 """
4 for word in range(100, 0, -1):
5     print (word)
```

```
1 """
2 3. Create a program that counts up from 0 to 100.  The program is to print "Hello"
3 when the count is greater than 50 and print "World" when the count is less then or equal to 50
4 """
```

```
'\n3. Create a program that counts up from 0 to 100.  The program is to print "Hello" \nwhen the count is greater than 50 and print
"World" when the count is less then or equal to 50\n'
```

```
1 """
2 4. Create a function called char_cnt that takes in a string and outputs a dictionary where
3 each key represents a unique character and the value is the number of times that character
4 shows up in the string
5 """
```

```
1 """
2 5.  create a function called rev_list that takes a list as an input and reverses the elements
3 of a that list, you must use a loop statement or sorts, and you cannot use .reverse() or [::-1]
4 """
```

```
'\n5.  create a function called rev_list that takes a list as an input and reverses the elements \nof a that list, you must use a loop
statement or sorts, and you cannot use .reverse() or [::-1] \n'
```

```
1 """
2 6. Using list comprehension (HINT: []) populate an array whose individual word
3 character lengths are >= 5 (10 points)
4 """
5 the_sentence = 'the student went above and beyond the call of duty on the homework'
```

```
1 """
2 7. Fix the errors in the code below and replace the word dog with turtle
3 """
4 import re
5 the_sentence = 'the orange cat jumped over the dog, but the orange cat landed on another orange cat'
6
7 my_ar = my_ar = re.subway('dog', 'turtle', len(the_sentenced))
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[10], line 7
      4 import re
      5 the_sentence = 'the orange cat jumped over the dog, but the orange cat landed on another orange cat'
----> 7 my_ar = my_ar = re.subway('dog', 'turtle', len(the_sentenced))

AttributeError: module 're' has no attribute 'subway'
```

```
1 """
2 8. Create a function called cln_txt that takes a list as an input, the
3 list will contain tokens, your job is to replace any special characters with
4 a no space, except '!', with ''
```

```
5 """
6
7 the_ar = ['woah!!!','the','@student',' really^','# impressed','me,','and&','so','did','??you!!!']
```

'woah!!! the student really impressed me and so did you!!!'

```
1 """
2 9. Create a program that loops 10 times and for each loop generate a random integer between 1 and 10,
3 and print 'even' if the number is even and 'odd' if the number is odd (HINT: import random)
4 if the number is odd
5 """
6 import random
```

```
1 """
2 10. Create a function called the_cat which can accept two input strings, the output
3 of the function will concatenate both string together, with a single space between and print
4 the total length of the resultant string
5 i.e. string_1 = "john", string_2 = "doe", function to output "john doe", 9
6 """
```