Fall Break Review!!

✪utput:

10

9

8

…

1

Blastoff

```
n = 10
```

```
n=n-1
```

```
print(n)          while n > 0:
```

```
print('Blastoff!')
```

What is printed when I run:

```
n = 1
total = 0
while n < 4:
    total += n
 n += 1
 print("Total: %i" % total)
```

what is printed?

```
>>> grades = [90, 100, 95]
>>> grades.append(85)
>>> grades[1]
```

what is printed?

```
>>> team = ['Ashley', 'Jacob', 'Adam']
>>> team.sort()
>>> 'Adam' in team
```

what is printed?

```
for i in range(5):
    print(i)
```

what is printed?

```
for i in range(5):
    print('potato')
```

what is printed?

```
line = ''
for i in range(5):
    line +='x'
print(line)
```

I want to add numbers.

What is missing??

```python
total = 0
response = input('Enter a number:')
while response != '':
    num = int(response)
    ??????????????
    response = input('Enter a number:')
print('Total: ', total)
```

I want to print out the names of my friends, one per line:

```
friends = ['Ann', 'Amanda', 'Maria']
for ?? in friends:
        ??????????????
```

What does the following print?

```
verbs = ['talk', 'walk', 'lift']
for v in verbs:
    print(v + 'ed')
```

What does the following print?

```
for i in range(10,21):
    print(i)
for i in range(19, 9, -1):
    print(i)
```

I want to average

the numbers in the list

```
grades = [90, 85, 88, 95]
total = 0
for ???????????:
    total += grade
print (???? / len(???))
```

What is printed?

when I type in 'hello' and 'owl'

```
print('Enter a word')
word = input('>')
if word[0] in 'aeiou':
    print(word + 'hay')
else:
    temp = word[1:]
    # temp is the word minus the first letter
    print(temp + word[0] + 'ay')
```

What is printed?

```
sentence =['the', 'boy', 'sings']
for word in sentence:
    if word[0] in 'aeiou':
        print(word + 'hay')
    else:
        temp = word[1:]
        print(temp + word[0] + 'ay')
```

What is printed?

```
result = ''
sentence =['a', 'boy', 'sings']
for word in sentence:
    if word[0] in 'aeiou':
        result += word + 'hay '
    else:
        result += word[1:] + word[0] + 'ay '
print(result)
```

What is printed?

```
>>> sentence =['a', 'boy', 'sings']

>>> len(sentence)
????
>>> len(sentence[0])
????
>>> len(sentence[2])
????
```

What is printed?

```
>>> a = [25, 76, 12, 80]
>>> a[2] = 24
>>> a
????
```

What is printed?

```
>>> hoursWorked = [['Ann', 30], ['Lefty', 37],
                   ['Mustang Sally', 25]]
>>> hoursWorked[1][1] += 10
>>> hoursWorked
????
```

What is printed?

```
>>> hoursWorked = [['Ann', 30], ['Lefty', 37],
                   ['Mustang Sally', 25]]
>>> hoursWorked[1][1] += 10
>>> hoursWorked
[['Ann', 30], ['Lefty', 47], ['Mustang Sally', 25]]
>>> i = 0
>>> location = -1
>>> for i in range(len(hoursWorked)):
    if hoursWorked[i][0] == 'Mustang Sally':
        location = i

>>> hoursWorked[location][1] = 50
>>> hoursWorked
```

Production Challenge

step 2: print out 10 occurrences of 'o' on a single line using a loop

o   o   o   o   o   o   o   o   o

Production Challenge

step 3:embed the previous loop inside another loop to print out the Battleship game grid on the following page

Production Challenge

step 1: print out the letters 'A' through 'J' on a single line using a loop
A B C D E F G H I J

Production Challenge

step 1: print out the letters 'A' through 'J' on a single line using a loop

A B C D E F G H I J

```
line = ''
xxxxxxxxxx:
    line += ??????
print(line)
```

	A	B	C	D	E	F	G	H	I	J
1	o	o	o	o	o	o	o	o	o	o
2	o	o	o	o	o	o	o	o	o	o
3	o	o	o	o	o	o	o	o	o	o
4	o	o	o	o	o	o	o	o	o	o
5	o	o	o	o	o	o	o	o	o	o
6	o	o	o	o	o	o	o	o	o	o
7	o	o	o	o	o	o	o	o	o	o
8	o	o	o	o	o	o	o	o	o	o
9	o	o	o	o	o	o	o	o	o	o
10	o	o	o	o	o	o	o	o	o	o