1.

```
def area_of_circle(r):

  area = 3.14 * r ____________
  print(area)
area_of_circle(5) # This line calls the
function
```

>>> _____

2.

```
shopping = ["apples", "bread"]
def add_to_list(item):
  shopping.append(item)
  print(shopping)
add_to_list("ketchup")
```

>>> _____

3.

```
shopping = ["apples", "bread", "ketchup"]
def delete_from_list(item):
    shopping.pop(item)
    print(shopping)
delete_from_list(0)
```

>>> _____

4.

```
count = 0
def increment_counter( ):
  global count
  count += 1
increment_counter( )
increment_counter( )
print(count)
```

>>> _____

5.

```
def linear_search(search_list, value):
  flag = False
  for index in range(0, len(search_list)):
      if search_list[index] == value:
      flag = True
      break
  if flag == True:
      print("item found in list")
  else:
      print("value not found")

my_list = [3, 7, 1, 9, 2]
target_value = 7
linear_search(my_list, target_value)
```

>>> _____

6.
```
def reverse_list(data):
    print(data.reverse())

    my_list = [1, 2, 3, 4, 5]
reverse_list(my_list)
```

>>> _____

7.
```
def find_vowels(text):
  string = ""
  vowels = "aeiou"
  for char in text:
    if char.lower() in vowels:
      string += char
  print(string)

find_vowels("Hello, World!")
```

>>> _____

8.
```
def display_progress_bar(progress):
        bar_length = 5
        completed = int(progress * bar_length)
        print(f'[{"#" * completed}{" " * (bar_length - completed)}] {str(int(progress * 100))}%')

    # Example usage
    for i in range(5):
        display_progress_bar(i/5)
```

>>> _____

>>> _____

>>> _____

>>> _____

>>> _____