1.

2.

```
moin.py

1 def miles_to_kilometers(miles):
2 kilometers = miles * 1.60934
3 return kilometers
4
5 # Taking input from the user
6 miles = float(input("Enter the distance in miles: "))
7
8 # Converting miles to kilometers
9 kilometers = miles_to_kilometers(miles)
10
11 # Displaying the result
12 print(f"(miles) miles is equal to {kilometers:.2f} kilometers")
13
```

3.

4.

```
moin.py

1 def find_second_largest(lst):
2 if len(lst) < 2:
3 return "List should have at least two elements."
4
5 sorted_list = sorted(set(lst), reverse=True)
6 return sorted_list[1]
7
8. * Example usage:
9 numbers = [int(x) for x in input("Enter a list of numbers separated by space:
").split()]
10 second_largest = find_second_largest(numbers)
11 print(f"The second largest element in the list is: {second_largest}")
12
```

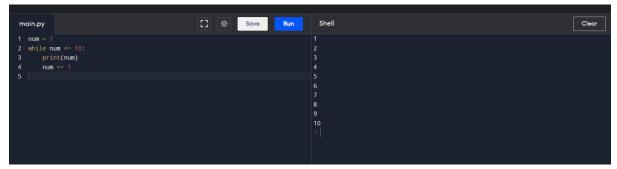
5.

In Python, indentation is used to define the block of code. Unlike many other programming languages that use braces {}, Python uses indentation to indicate the scope of control structures,

functions, classes, and other code blocks. The standard convention is to use four spaces for each level of indentation. Incorrect indentation can lead to syntax errors or unexpected behavior.

6.

7.



8.

9.

10.

```
moin.py

1 num1 = float(input("Enter the first number: "))
2 num2 = float(input("Enter the second number: "))
3 num3 = float(input("Enter the third number: "))
4 inum1 > num2 and num1 >= num3:
6 largest = num1
7 - elif num2 >= num1 and num2 >= num3:
8 largest = num2
9 - else:
10 largest = num3
11
12 print(f"The largest among {num1}, {num2}, and {num3} is: {largest}")
13
```

11.

12.



13.

14.

```
main.py

1 import numpy as np
2 sequally_spaced_array = np.linspace(1, 100, 10)
4 print("Array of 10 equally_spaced_array)

5 print(equally_spaced_array)

6 | Shell Clear

Array of 10 equally_spaced values between 1 and 100:")

5 print(equally_spaced_array)
```

15.



