Python

1. Predict Output:

```
s1 = 'Gaurav'
s2 = 'leangaurav.me@email.com'
print(len(s1), len(s2))
```

2. WAP to input a string and print its length.
3. WAP to input 2 numbers and print their sum and difference.
4. Predict output:

```
s1 = 'ab'
s2 = 'de'
s3 = s1 + s2
print(s3)
```

5. Predict output:

```
s1 = 'ab'
s2 = 'de'
s3 = s1 + s2
print(s3)
```

6. Predict output:

```
s1 = 'ab'*4
print(s1)
```

7. Predict output:

```
s1 = 'ab\n'*4
print(s1)
```

8. WAP to input a string **s** and a number **n**. Print the string **n** times on the screen, each should appear in a separate line (do not use any kind of loops, use the multiplication operator).
9. Predict Output:

```
res = print('Gaurav')
print(res)
```

10. Predict Output:

```
res = len('leangaurav.me@email.com')
print(type(res))
```

11. Predict Output:

```
s1 = 'Gaurav'
s2 = 'leangaurav.me@email.com'
s3 = s1 + '\n' + s2
print(type(s3), len(s3))
```

12. Find the name of function to find the square root. (see all the options available in dir() of math)

13. WAP to input a number and print its square root ().

14. WAP to input 4 numbers from user and print their average

15. Use the help function to check what the abs function in python does.

16. What is the output of this code when run from python interpreter.

```
print(__name__)
```

17. What is the output of this code when run from a python script.

```
print(__name__)
```

18. Does the **dir** of **int** class contain an attribute **__name__ (Y/N).**

19. Predict the output of:

```
print(__name__)
print(__builtins__.__name__)
print(int.__name__)
```