1. A string is immutable in Python?

Every time when we modify the string, Python always create a new String and assign a new string to that variable.

 True

 False

2. What is the output of the following code?

var = "James" \* 2 \* 3

**print**(var)

 JamesJamesJamesJamesJamesJames

 JamesJamesJamesJamesJames

 Error: invalid syntax

3. Which operator has higher precedence in the following list?

 % (Modulus)

 & (Bitwise AND)

 \*\* (Exponent)

 > (Comparison)

4. What is the Output of the following code?

**for** x **in** **range**(0.5, 5.5, 0.5):

**print**(x)

 [0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5]

 [0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5]

 The Program executed with errors

5. What is the output of the following code?

var1 = 1

var2 = 2

var3 = "3"

**print**(var1 + var2 + var3)

 6

 33

 123

 Error Mixing operators between numbers and strings are not supported

6. What is the output of the following code

salary = 8000

**def** printSalary():

salary = 12000

**print**("Salary:", salary)

printSalary()

**print**("Salary:", salary)

 Salary: 12000 Salary: 8000

 Salary: 8000 Salary: 12000

 The program failed with errors

7. Can we use the “else” block for for loop? for example:

**for** i **in** **range**(1, 5):

**print**(i)

**else**:

**print**("this is else block statement" )

 No

 Yes

8. What is the output of the following code?

**for** i **in** **range**(10, 15, 1):

**print**( i, end=', ')

 10, 11, 12, 13, 14,

 10, 11, 12, 13, 14, 15,

9. The in operator is used to check if a value exists within an iterable object container such as a list. Evaluate to True if it finds a variable in the specified sequence and False otherwise.

 True

 False

10. What is the output of the following

x = 36 / 4 \* (3 + 2) \* 4 + 2

**print**(x)

 182.0

 37

 117

 The Program executed with errors

11. What is the output of the following code?

valueOne = 5 \*\* 2

valueTwo = 5 \*\* 3

**print**(valueOne)

**print**(valueTwo)

 10,15

 25,125

 Error: invalid syntax

12. What is the output of the following code?

**def** calculate (num1, num2=4):

res = num1 \* num2

**print**(res)

calculate(5, 6)

 20

 The program executed with errors

 30

13. What is the output of the following code?

**str** = "pynative"

**print** (**str**[1:3])

 py

 yn

 pyn

 yna

14. What is the output of the following code?

List has append function

Set has add function

sampleSet = {"Jodi", "Eric", "Garry"}

sampleSet.add(1, "Vicki")

**print**(sampleSet)

 {‘Vicki’, ‘Jodi’, ‘Garry’, ‘Eric’}

 {‘Jodi’, ‘Vicki’, ‘Garry’, ‘Eric’}

 The program executed with error

15. What is the output of the following code?

p, q, r = 10, 20 ,30

**print**(p, q, r)

 10 20

 10 20 30

 Error: invalid syntax

16. What is the output of the following code?

listOne = [20, 40, 60, 80]

listTwo = [20, 40, 60, 80]

**print**(listOne == listTwo)

**print**(listOne **is** listTwo)

 True,True

 True,False

 False,True

17. What is the output of the following code?

sampleList = ["Jon", "Kelly", "Jessa"]

sampleList.append(2, "Scott")

**print**(sampleList)

 The program executed with errors

 [‘Jon’, ‘Kelly’, ‘Scott’, ‘Jessa’]

 [‘Jon’, ‘Kelly’, ‘Jessa’, ‘Scott’]

 [‘Jon’, ‘Scott’, ‘Kelly’, ‘Jessa’]

18. What is the output of the following code?

var= "James Bond"

**print**(var[2::-1])

 Jam

 dno

 maJ

 dnoB semaJ

19. What is the output of print(2 \* 3 \*\* 3 \* 4)

 216

 864

20. Which of the following operators has the highest precedence?

 not

 &

 \*

 +

21. What is the output of print(10 - 4 \* 2)

 2

 12

22. What is the output of the following Python code

x = 10

y = 50

**if** x \*\* 2 > 100 **and** y < 100:

**print**(x, y)

 100 500

 10 50

 None

23. What is the output of the following code

print(bool(0), bool(3.14159), bool(-3), bool(1.0+1j))

 True True False True

 False True True True

 True True False True

 False True False True

24. What is the output of the following code

x = 6

y = 2

**print**(x \*\* y)

**print**(x // y)

 66,0

 36,0

 66,3

 36,3

25. **4** is 100 in binary and **11** is 1011. What is the output of the following bitwise operators?

a = 4

b = 11

**print**(a | b)

**print**(a >> 2)

 15,1

 14,1

26. What is the output of the following addition (+) operator

a = [10, 20]

b = a

b += [30, 40]

**print**(a)

**print**(b)

 [10, 20, 30, 40],[10, 20, 30, 40]

 [10, 20],[10, 20, 30, 40]

27. What is the output of the following assignment operator

y = 10

x = y += 2

**print**(x)

 12

 10

 SynatxError

28 . What is the output of the following code

x = 100

y = 50

**print**(x **and** y)

 True

 100

 False

 50

29. Bitwise shift operators (<<, >>) has higher precedence than Bitwise And(&) operator

 False

 True

30. What is the value of the following Python Expression

print(36 / 4)

 9.0

 9

31. What is the output of print(2%6)

 ValueError

 0.33

 2

32. What is the output of print(2 \*\* 3 \*\* 2)

 64

 512

33. What is the output of the expression print(-18 // 4)

 -4

 4

 -5

 5