Python MCQ
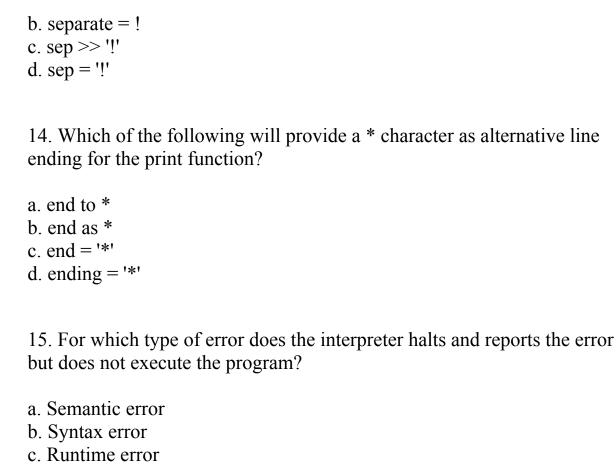
1. Which of the following version of Python was released in December, 2015 by Python.org?

a. 3.3
b. 3.5.1
c. 2.4
d. 2.6

2. Python files are saved with the extension as ...?

a. .python
b. .pe
c. .py
d. .pi

3. What is the name of the GUI that comes in-built as an interactive shell with Python?

a. PGUI
b. Pyshell
c. IDLE
d. PythonSh

4. IDLE stands for ... ?

a. Indigenous Development Lab

b. Integrated Development Environment
c. Integrated Developers Local Environment
d. Indie Developers Environment

5. The function to display a specified message on the screen is ... ?

a. print
b. display
c. run
d. output

6. Which of the following is an assignment operator in Python?

a. ==
b. ===
c. >>>
d. =

7. Which of the following is used to initialize multiple variables with a common value?

a. x = y: y = 33
b. x = y = z = 33
c. x = z; y = z; x = 33;
d. x & y & z = 33

8. Comments in Python begin with ...?

a. {
b. %
c. *
d. #

9. A user-specified value can be assigned to a variable with this function ...

a. user
b. enter
c. input
d. value

10. User input is read as ...?

a. Floating Decimal
b. Text String
c. Boolean Value
d. Integer

11. Output displayed by the print function will add this invisible character at the end of the line by default ...

a. \t
b. \n
c. \s
d. \r

12. Multiple values specified in parentheses to print function will display each value separated with this by default ...

a. Single Space
b. Double Space
c. A new Line
d. Double Lines

13. Which of the following will provide an ! character as alternative separator for the print function?

a. sep is !

b. separate = !
c. sep >> '!'
d. sep = '!'

14. Which of the following will provide a * character as alternative line ending for the print function?

a. end to *
b. end as *
c. end = '*'
d. ending = '*'

15. For which type of error does the interpreter halts and reports the error but does not execute the program?

a. Semantic error
b. Syntax error
c. Runtime error
d. All type of errors

16. For which type of error does the interpreter runs the program but halts at error and reports the error as an "Exception"?

a. Semantic error
b. Syntax error
c. Runtime error
d. All type of errors

17. For which type of error does the interpreter runs the program and does not report an error?

a. Semantic error
b. Syntax error
c. Runtime error

d. All type of errors

18. What will be the output after the following statements?

```
x = 6
y = 3
print(x / y)
```

a. 2.0
b. 2
c. 18
d. 18.0

19. What will be the output after the following statements?

```
x = 8
y = 2
print(x // y)
```

a. 4.0
b. 4
c. 16
d. 16.0

20. What will be the output after the following statements?

```
x = 5
y = 4
print(x % y)
```

a. 0
b. 20
c. 1.0
d. 1

21. What will be the output after the following statements?

```
x = 3
y = 2
x += y
print(x)
```

a. 3
b. 2
c. 5
d. 1

22. What will be the output after the following statements?

```
x = 5
y = 7
x *= y
print(x)
```

a. 7
b. 12
c. 5
d. 35

23. What will be the output after the following statements?

```
x = 25
y = 15
x -= y
print(x)
```

a. 10
b. 25
c. 15
d. -15

24. What will be the output after the following statements?

```
x = 30
y = 7
x %= y
print(x)
```

a. 4
b. 28
c. 2
d. 37

25. What will be the output after the following statements?

```
x = 3
y = 7
print(x == y)
```

a. y = 7 and x = 3
b. True
c. x = 3 and y = 3
d. False

26. What will be the output after the following statements?

```
x = 8
y = 6
print(x != y)
```

a. y = 6 and x = 8
b. True
c. x = 6 and y = 6
d. False

27. What will be the output after the following statements?

```
x = 83
y = 57
print(x > y)
```

a. True
b. False
c. Yes
d. No

28. What will be the output after the following statements?

```
x = 72
y = 64
print(x < y)
```

a. True
b. False
c. Yes

d. No

29. What will be the output after the following statements?

```
x = True
y = False
print(x and y)
```

a. True
b. False
c. Not defined
d. xy

30. What will be the output after the following statements?

```
x = True
y = False
print(x or y)
```

a. True
b. False
c. Not defined
d. xy

31. What will be the output after the following statements?

```
x = True
y = False
print(not x)
```

a. True

b. False
c. Not defined
d. y

32. What will be the output after the following statements?

```
x = True
y = False
print(not y)
```

a. True
b. False
c. Not defined
d. x

33. What will be the output after the following statements?

```
x = 20
y = 40
z = y if (y > x) else x
print(z)
```

a. True
b. False
c. 20
d. 40

34. What will be the output after the following statements?

```
x = 50
y = 10
z = y if (y > x) else x
print(z)
```

a. True
b. False
c. 50
d. 10

35. What will be the output after the following statements?

```
x = 65
y = 53
z = y if (x % 2 == 0) else x
print(z)
```

a. True
b. False
c. 65
d. 53

36. What will be the output after the following statements?

```
x = 46
y = 98
z = y if (y % 2 == 0) else x
print(z)
```

a. True
b. False
c. 46
d. 98

37. What will be the output after the following statements?

```
x = 2 * 4 + 7
print(x)
```

a. 30
b. 15
c. 22
d. 247

38. What will be the output after the following statements?

```
x = 7 * (4 + 5)
print(x)
```

a. 63
b. 16
c. 33
d. 35

39. What will be the output after the following statements?

```
x = '24' + '16'
print(x)
```

a. 40
b. 2416
c. 21
d. 46

40. What will be the output after the following statements?

```
x = 15 + 35
print(x)
```

a. 40
b. 153
c. 50
d. 1535

41. What will be the data type of x after the following statement if input entered is 18 ?

```
x = input('Enter a number: ')
```

a. Float
b. String
c. List
d. Integer

42. What will be the data type of y after the following statements if input entered is 50?

```
x = input('Enter a number: ')
y = int(x)
```

a. Float
b. String
c. List
d. Integer

43. What will be the data type of y after the following statements?

```
x = 71
y = float(x)
```

a. Float
b. String
c. List
d. Integer

44. What will be the data type of y after the following statements?

```
x = 48
y = str(x)
```

a. Float
b. String
c. List
d. Integer

45. What will be the output after the following statements?

```
x = y = z = 8
print(y)
```

a. x
b. 8
c. z
d. y

46. What will be the value of x, y and z after the following statement?

```
x = y = z = 300
```

a. All three will have the value of 3
b. All three will have the value of 100
c. All three will have the value of 300
d. x and y will have arbitrary values, while z will have the value of 300

47. What will be the value of x, y and z after the following statement?

```
x, y, z = 3, 4, 5
```

a. All three will have the value of 3
b. All three will have the value of 345
c. x will have the value of 3, y will have the value 4 and z will have the value of 5
d. x and y will have arbitrary values, while z will have the value of 345

48. What is the data type of x after the following statement?

```
x = [7, 8, 9, 10]
```

a. List
b. Dictionary
c. Tuple
d. String

49. What is the data type of x after the following statement?

```
x = ['Today', 'Tomorrow', 'Yesterday']
```

a. List
b. Dictionary
c. Tuple
d. String

50. What will be the output after the following statements?

```
x = ['Today', 'Tomorrow', 'Yesterday']
y = x[1]
print(y)
```

a. x1
b. Today
c. Tomorrow
d. Yesterday

51. What will be the output after the following statements?

```
x = [25, 35, 45]
y = x[0]
print(y)
```

a. x0
b. 25
c. 35
d. 45

52. What will be the output after the following statements?

```
x = [10, 20, 30]
y = x[1] + x[2]
```

```
print(y)
```

a. 20
b. 30
c. 40
d. 50

53. What will be the output after the following statements?

```
x = ['Sunday', 'Monday', 'Tuesday']
y = x[1] + x[2]
print(y)
```

a. MondayTuesday
b. SundayMonday
c. SunMonday
d. Monday Tuesday

54. What will be the output after the following statements?

```
x = [[0.0, 1.0, 2.0],[4.0, 5.0, 6.0]]
y = x[1][2]
print(y)
```

a. 0.0
b. 1.0
c. 5.0
d. 6.0

55. What will be the output after the following statements?

```
x = [[0.0, 1.0, 2.0],[4.0, 5.0, 6.0]]
y = x[0][1] + x[1][0]
print(y)
```

a. 1.0
b. 4.0
c. 5.0
d. 6.0

56. What will be the output after the following statements?

```
x = 3
y = 4
print(x*y)
```

a. 3
b. 4
c. 3 4
d. 12

57. What will be the output after the following statements?

```
x = [15, 45, 85, 95]
print(x[3]-x[1])
```

a. 30
b. 40
c. 50
d. 10

58. What will be the output after the following statements?

```
x = [5, 4, 3, 2]
print(x)
```

a. [5, 4, 3, 2]
b. 5, 4, 3, 2
c. 5432
d. (5, 4, 3, 2)

59. What will be the output after the following statements?

```
x = [5, 4, 3, 2]
x.append(1)
print(x)
```

a. [5, 4, 3, 2]
b. 5, 4, 3, 2, 1
c. 5432
d. [5, 4, 3, 2, 1]

60. What will be the output after the following statements?

```
x = [5, 4, 3, 2]
x.insert(1, 0)
print(x)
```

a. [5, 1, 3, 2, 0]
b. [5, 0, 4, 3, 2]
c. [0, 5, 4, 3, 2]
d. [1, 5, 4, 3, 2]

61. What will be the output after the following statements?

```
x = [5, 4, 3, 2]
x.remove(2)
print(x)
```

a. [5, 3, 2]
b. [5, 4, 3]
c. [5, 4, 2]
d. [3, 2]

62. What will be the output after the following statements?

```
x = [5, 4, 3, 2, 1]
print(x.pop(3))
```

a. 4
b. 3
c. 2
d. 1

63. What will be the output after the following statements?

```
x = [5, 4, 3, 2, 1]
print(x.index(1))
```

a. 4
b. 3
c. 2
d. 1

64. What will be the output after the following statements?

```
x = [5, 4, 3, 2, 1]
x.extend(x)
print(x)
```

a. [5, 4, 3, 2, 1]
b. []
c. [1, 2, 3, 4, 5]
d. [5, 4, 3, 2, 1, 5, 4, 3, 2, 1]

65. What will be the output after the following statements?

```
x = [5, 4, 3, 2, 1]
y = [0, 5, 10]
x.extend(y)
print(x)
```

a. [5, 4, 3, 2, 1, 0, 5, 10]
b. []
c. [5, 4, 3, 2, 1]
d. [0, 5, 10, 5, 4, 3, 2, 1]

66. What will be the output after the following statements?

```
x = [5, 4, 3, 2, 1]
y = [10, 5, 0]
x.extend(y)
print(y)
```

a. [5, 4, 3, 2, 1, 10, 5, 0]
b. []

c. [10, 5, 0, 5, 4, 3, 2, 1]
d. [10, 5, 0]

67. What will be the output after the following statements?

```
x = [5, 4, 3, 2, 1]
y = [10, 5, 0]
y.extend(x)
print(y)
```

a. [5, 4, 3, 2, 1, 10, 5, 0]
b. [10, 5, 0, 5, 4, 3, 2, 1]
c. [5, 4, 3, 2, 1]
d. [10, 5, 0]

68. What will be the output after the following statements?

```
x = [5, 4, 3, 2, 1]
x.reverse()
print(x)
```

a. [0, 1, 2, 3, 4, 5]
b. [0, 5, 4, 3, 2, 1]
c. [5, 4, 3, 2, 1, 0]
d. [1, 2, 3, 4, 5]

69. What will be the output after the following statements?

```
x = [25, 14, 53, 62, 11]
x.sort()
print(x)
```

a. [11, 14, 25, 53, 62]
b. [25, 14, 53, 62, 11]
c. [62, 53, 25, 14, 11]
d. [25, 53, 62, 14, 11]

70. What will be the output after the following statements?

```
x = ['25', 'Today', '53', 'Sunday', '15']
x.sort()
print(x)
```

a. ['Today', 'Sunday', '15', '25', '53']
b. ['Sunday', 'Today', '15', '25', '53']
c. ['15', '25', '53', 'Sunday', 'Today']
d. ['15', '25', '53', 'Today', 'Sunday']

71. What will be the output after the following statements?

```
x = [25, 'Today', 53, 'Sunday', 15]
x.reverse()
print(x)
```

a. ['Today', 'Sunday', 15, 25, 53]
b. [15, 'Sunday', 53, 'Today', 25]
c. [15, 25, 53, 'Sunday', 'Today']
d. [15, 25, 53, 'Today', 'Sunday']

72. What will be the output after the following statements?

```
x = [25, 35, 53, 25, 52, 35, 25]
print(x.count(25))
```

a. 25
b. 3
c. 53
d. 35

73. What will be the output after the following statements?

```
x = [25, 35, 53, 25, 52, 35, 25]
print(len(x))
```

a. 25
b. 5
c. 7
d. 35

74. What will be the output after the following statements?

```
x = [25, 35, 53, 25, 52, 35, 25]
len(x)
print(x)
```

a. 25
b. 5
c. 7
d. [25, 35, 53, 25, 52, 35, 25]

75. What will be the output after the following statements?

```
x = [25, 35, 53, 25, 52, 35, 25]
del x[3]
```

```
print(x)
```

a. [25, 35, 53, 52, 35, 25]
b. [25, 5, 5, 25, 52, 5, 25]
c. [35, 53, 52, 35]
d. [25, 35, 53, 25, 52, 35, 25]

76. What will be the output after the following statements?

```
x = [5, 3, 6, 2, 4, 0, 1]
del x[2:3]
print(x)
```

a. [5, 3, 6, 4, 0, 1]
b. [5, 3, 2, 4, 0, 1]
c. [5, 6, 2, 4, 0, 1]
d. [5, 4, 0, 1]

77. What will be the output after the following statements?

```
x = [5, 3, 6, 2, 4, 0, 7]
del x[0:7]
print(x)
```

a. []
b. [5, 3, 6, 2, 4, 0, 7]
c. [5, 3, 6, 2, 4, 0]
d. [3, 6, 2, 4, 0]

78. What will be the output after the following statements?

```
x = [5, 3, 6, 2, 4, 0, 7]
del x[0:4]
print(x)
```

a. []
b. [5, 3, 6, 2, 7]
c. [5, 3, 6, 2, 4, 0]
d. [4, 0, 7]

79. What will be the output after the following statements?

```
x = [5, 3, 6, 2, 4, 0, 7]
del x[:]
print(x)
```

a. []
b. [5, 3, 6, 2, 7]
c. [5, 3, 6, 2, 4, 0]
d. [4, 0, 7]

80. What will be the output after the following statements?

```
x = [4, 0, 7]
y = str(x[0]) + str(x[1])
print(y)
```

a. 11
b. 4
c. 40
d. 7

81. What will be the output after the following statements?

```
x = [4, 0, 7]
y = float(x[0] + x[2])
print(y)
```

a. 11
b. 11.0
c. 47.0
d. 47

82. What will be the data type of x after the following statement?

```
x = (34, 81, 50)
```

a. List
b. String
c. Dictionary
d. Tuple

83. What will be the data type of x after the following statement?

```
x = 'Python 3 Test'
```

a. List
b. String
c. Dictionary
d. Tuple

84. What will be the data type of x after the following statement?

```
x = [2290, 376, 198]
```

a. List
b. String
c. Dictionary
d. Tuple

85. What will be the data type of x after the following statement?

```
x = {'lang' :'Python', 'version' : '3'}
```

a. List
b. Set
c. Dictionary
d. Tuple

86. What will be the data type of x after the following statement?

```
x = {2015, 2016, 2017, 2018}
```

a. List
b. Set
c. Dictionary
d. Tuple

87. What will be the data type of x after the following statement?

```
x = [2016, 'Leap Year', 'True']
```

a. List
b. String
c. Dictionary
d. Boolean

88. What will be the data type of x after the following statement?

```
x = False
```

a. List
b. String
c. Dictionary
d. Boolean

89. Which of the following function can be used to find the data type of a variable?

a. data()
b. type()
c. true()
d. str()

90. What will be the output after the following statements?

```
x = [24, 50, 37]
y = 24 in x
print(y)
```

a. x[0]

b. [24]
c. True
d. False

91. What will be the output after the following statements?

```
x = {'A', 'B', 'C'}
y = 'b' in x
print(y)
```

a. x[1]
b. ['B']
c. True
d. False

92. What will be the output after the following statements?

```
x = 'Python'
y = 'y' in x
print(y)
```

a. [1]
b. y
c. True
d. False

93. What will be the output after the following statements?

```
x = {0:4, 1:8, 2:16, 3:32}
y = 0 in x
print(y)
```

a. x[0]
b. [24]
c. True
d. False

94. What will be the output after the following statements?

```
x = {0:4, 1:8, 2:16, 3:32}
y = 8 in x
print(y)
```

a. x[0]
b. [24]
c. True
d. False

95. What will be the data type of x after the following statements?

```
false = "This is not true"
x = false
```

a. List
b. String
c. Dictionary
d. Boolean

96. Which of the following is immutable (values that cannot be changed)?

a. List
b. Dictionary
c. Tuple

d. Set

97. Which of the following has only unique values?

a. List
b. Dictionary
c. Tuple
d. Set

98. What will be the output after the following statements?

```
x = {0:4, 1:8, 2:16, 3:32}
print(x.keys())
```

a. dict_keys([0, 1, 2, 3])
b. dict_keys{0, 1, 2, 3}
c. dict_keys(0, 1, 2, 3)
d. dict_keys[0, 1, 2, 3]

99. What will be the output after the following statements?

```
x = {0:4, 1:8, 2:16, 3:32}
print(x.values())
```

a. dict_values([4, 8, 16, 32])
b. dict_values{4, 8, 16, 32}
c. dict_values(4, 8, 16, 32)
d. dict_values[4, 8, 16, 32]

100. What will be the output after the following statements?

```
x = {1:'Jan', 2:'Feb', 3:'March', 4:'April'}
print(x[2])
```

a. Jan
b. Feb
c. March
d. April

101. What will be the output after the following statements?

```
x = {0:4, 1:8, 2:16, 3:32}
print(list(x.values())[2])
```

a. [4, 8]
b. [4, 8, 16]
c. 16
d. 8

102. What will be the output after the following statements?

```
x = {0:4, 1:8, 2:16, 3:32}
print(x.items())
```

a. dict_items(4, 8, 16, 32)
b. dict_items([4, 8, 16, 32])
c. dict_items[0, 1, 2, 3]
d. dict_items([(0, 4), (1, 8), (2, 16), (3, 32)])

103. What will be the output after the following statements?