Python Programming and Web Development using DJANGO

1. Python Programming Language was developed by?
   A. Wick van Rossum
   B. Rasmus Lerdorf
   C. Niene Stom
   D. Guido van Rossum

ANSWER: D

2. Identify the correct option.
   A. Python code is only compiled
   B. Python code is neither compiled nor interpreted
   C. Python code is both compiled and interpreted
   D. Python code is only interpreted

ANSWER: C

3. Python Programming Language was developed by?
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ANSWER: D

4. Identify the correct option.
   A. Python code is only compiled
   B. Python code is neither compiled nor interpreted
   C. Python code is both compiled and interpreted
   D. Python code is only interpreted

ANSWER: C

5. In Python, all keywords are _____
   A. Capitalized
   B. lower case
   C. UPPER CASE
   D. None of the mentioned

ANSWER: D

6. Is Python a cross platform language?
   A. False
   B. True
   C. Can't say
   D. None of the above

ANSWER: B

7. Which of the following functions can help us to find the version of python that we are currently working on?
   A. sys.version
   B. sys.version(0)
   C. sys.version()
   D. sys.version(3)

ANSWER: A

8. In python, what does pip stand?
   A. Pip Installs Python
   B. Preferred Installer Program
   C. Pip Installs Packages
   D. All of the mentioned

ANSWER: B

9. Identify the correct definition for packages in Python?
   A. A set of main modules
   B. A set of programs making use of Python modules
   C. A number of files containing Python definitions and statements
   D. A folder of python modules

ANSWER: D

10. Is Python a dynamically typed language?
    A. False
    B. True
    C. Can't say
    D. None of the above

ANSWER: B

11. In Python, what are the two main types of functions?

A. System function

B. Custom function

C. User function

D. Built-in function & User defined function

ANSWER: D

12. Identify the feature of Python DocString?

A. In Python all functions should have a docstring

B. Docstrings can be accessed by the __doc__ attribute on objects

C. All of the mentioned

D. It provides a convenient way of associating documentation with Python modules, functions, classes, and methods

ANSWER: C

13. What is output of print(math.pow(2, 2))?

A. 4.0

B. None

C. 8

D. None of the mentioned

ANSWER: A

14. Identify the correct operator for power?

A. X^y

B. X^^y

C. X**y

D. None of the mentioned

ANSWER: C

15. Identify which one of these is floor division?

A. /

B. None of the mentioned

C. %

D. //

ANSWER: D

16. Operators with the same precedence are evaluated in which manner?

A. Can't say

B. Right to Left

C. Left to Right

D. None of the mentioned

ANSWER: C

17. What is the output of this expression, 2*1**3?

A. 6

B. 9

C. 2

D. 1

ANSWER: C

18. Identify which one of the following has the same precedence level?

A. Addition and Multiplication

B. Multiplication, Division and Addition

C. Multiplication, Division, Addition and Subtraction

D. Addition and Subtraction

ANSWER: D

19. Identify which one of the following has the highest precedence in the expression?

A. Parentheses

B. Addition

C. Multiplication

D. Exponential

ANSWER: A

20. What is the average value of the following Python code snippet?

>>>grade1 = 60

>>>grade2 = 90

>>>average = (grade1 + grade2) / 2

A. 75.0

B. 85.1

C. 95.0

D. 95.1

ANSWER: A

21. What does 5 ^ 4 evaluate to?

A. 31

B. 12

C. 0.75

D. 1

ANSWER: D

22. What will be the value of the following Python expression?

8 + 3 % 5

A. 5

B. 11

C. 2

D. 0

ANSWER: B

23. Evaluate the expression given below if a = 17 and b = 16.

a % b // a

A. 0.0

B. 0

C. 1.0

D. 1

ANSWER: B

24. Identify which of the following operators has its associativity from right to left?

A. **

B. //

C. %

D. +

ANSWER: A

25. What is the value of the following expression?

3+4.00, 3**4.0

A. (7.0, 81.0)

B. (6.00, 16.00)

C. (6, 16)

D. (6.00, 16.0)

ANSWER: A

26. Identify which of the following is the truncation division operator?

A. /

B. //

C. %

D. |

ANSWER: B

27. Evaluate the value of the following expression?

16/4/2, 16/(4/2)

A. (2.0, 8.0)

B. (1.0, 1.0)

C. (4.0. 1.0)

D. (4.0, 4.0)

ANSWER: A

28. Evaluate the value of the following expression?

float(32//3+2/2)

A. 8

B. 11.0

C. 8.3

D. 8.33

ANSWER: B

29. What will be the output of the following Python expression?

print(8.00/(2.0+2.0))

A. Error

B. 2.0

C. 1.00

D. 1

ANSWER: B

30. Identify which among the following list of operators has the highest precedence?

+, -, **, %, /, <<, >>, |

A. <<, >>

B. %

C. |

D. **

ANSWER: D

31. Identify which of the following expressions is an example of type conversion?

A. 5.0 + float(7)

B. 5.3 + 6.3

C. 5.0 + 3

D. 3 + 7

ANSWER: A

32. Evaluate the value of the following Python expression?

7+2**5//10

A. 5

B. 10

C. 77

D. 0

ANSWER: B

33. Identify which of the following represents the bitwise XOR operator?

A. ^

B. &

C. |

D. !

ANSWER: A

34. Evaluate the result of the following Python code?

```
True = False
while True:
  print(True)
  break
```

A. True

B. False

C. None

D. error

ANSWER: D

35. Evaluate the result of the following Python code?

```
for i in range(4):
    if i == 4:
        break
    else:
        print(i)
else:
    print("Here")
```

A. 0 1 2 3 Here

B. 0 1 2 3 4 5 Here

C. 0 1 2 3 4

D. 1 2 3 4 5

ANSWER: A

36. Evaluate the result of the following Python code?

```
string = "my name is q"
for x in string:
    print (x, end=", ")
```

A. m, y, , n, a, m, e, , i, s, , q,

B. mynameisq

C. my, name, is, q,

D. error

ANSWER: A

37. Which of the following statement prints hello\example\hello.txt?

A. print(“hello\example\hello.txt”)

B. print(“hello\\example\\hello.txt”)

C. print(“hello\”example\”hello.txt”)

D. print(“hello”\example”\hello.txt”)

ANSWER: B

38. Evaluate the result of the following Python code?

```
print("xycdpq".find("cd"))
```

A. True

B. 2

C. 3

D. None of the mentioned

ANSWER: B

39. Evaluate the result of the following Python code?

```
print("aadaddad".find("a"))
```

A. 4

B. 0

C. Error

D. True

ANSWER: B

40. Evaluate the result of the following Python code?

```
print('cd'.isalpha())
```

A. True

B. False

C. None

D. Error

ANSWER: A

41. Evaluate the result of the following Python code snippet?

```
print(".isdigit())
```

A. False

B. True

C. None

D. Error

ANSWER: A

42. Evaluate the result of the following Python code snippet?

print('25'.isnumeric())

A. True

B. False

C. None

D. Error

ANSWER: A

43. Evaluate the result of the following Python code snippet?

print('abxdefxdghxd'.split('xd'))

A. [‘ab’, ‘ef’, ‘gh’]

B. [‘ab’, ‘ef’, ‘gh’, '']

C. (‘ab’, ‘ef’, ‘gh’)

D. error

ANSWER: B

44. Suppose list1 is [7445,133,72454,123], what is max(list1)?

A. 7445

B. 133

C. 72454

D. 123

ANSWER: C

45. Suppose list1 is [9, 5, 25, 2, 3], what is min(list1)?

A. 3

B. 5

C. 25

D. 2

ANSWER: D

46. Suppose list1 is [3, 5, 9], what is sum(list1)?

A. 1

B. 9

C. 17

D. Error

ANSWER: C

47. Evaluate the result of the following Python code?

>>>t=(1,9,7,3)

>>>t[1:3]

A. (1, 9)

B. (1, 9, 7)

C. (9, 7)

D. (9, 7, 3)

ANSWER: C

48. Evaluate the result of the following Python code?

>>> a=(5,6,7,8)

>>> del(a[2])

A. Now, a=(5,6,8)

B. Now, a=(5,7,8)

C. Now a=(7,8)

D. Error as tuple is immutable

ANSWER: D

49. What type of data is: a=[(2,3),(5,6),(4,8)]?

A. Array of tuples

B. List of tuples

C. Tuples of lists

D. Invalid type

ANSWER: B

50. Evaluate the result of the following Python code?

>>> x=[(2,4),(1,2),(3,9)]

>>> x.sort()

>>> x

A. [(1, 2), (2, 4), (3, 9)]

B. [(2,4),(1,2),(3,9)]

C. Error because tuples are immutable

D. Error, tuple has no sort attribute

ANSWER: A

51. Evaluate the result of the following Python code snippet?

```
>>> d = {"annie":40, "peter":45}
>>> "annie" in d
```

A. True

B. False

C. None

D. Error

ANSWER: A

52. Evaluate the result of the following Python code snippet?

```
x1 = {"jenny":40, "peter":45}
x2 = {"jenny":466, "peter":45}
x1 == x2
```

A. True

B. False

C. None

D. Error

ANSWER: B

53. Evaluate the result of the following Python code snippet?

```
x1 = {"jenny":40, "peter":45}
x2 = {"jenny":466, "peter":45}
x1 > x2
```

A. True

B. False

C. Error

D. None

ANSWER: C

54. Evaluate the result of the following Python code snippet?

```
d = {"jenny":90, "peter":45}
d["jenny"]
```

A. 90

B. 45

C. “jenny”

D. “peter”

ANSWER: A

55. Evaluate the result of the following Python code?

```
a={5:"A",6:"B",7:"C"}
a.clear()
print(a)
```

A. None

B. { None:None, None:None, None:None}

C. {1:None, 2:None, 3:None}

D. { }

ANSWER: D

56. Identify which of the following is wrong about dictionary keys?

A. Keys must be integers

B. Keys must be immutable

C. More than one key isn’t allowed

D. When duplicate keys encountered, the last assignment wins

ANSWER: A

57. Evaluate the result of the following Python code?

```
a={4:5,6:3,8:4}
a.pop(8)
print(a)
```

A. {1: 5}

B. {1: 5, 2: 3}

C. Error, syntax error for pop() method

D. {1: 5, 3: 4}

ANSWER: B

58. Evaluate the result of the following Python code snippet?

```
test = {4:'A', 5:'B', 6:'C'}
test = {}
print(len(test))
```

A. 0

B. None

C. 3

D. An exception is thrown

ANSWER: A

59. Evaluate the result of the following Python code snippet?

```
test = {1:'X', 2:'Y', 3:'Z'}
del test[1]
test[1] = 'Q'
del test[2]
print(len(test))
```

A. 0

B. 2

C. Error as the key-value pair of 1:'X' is already deleted

D. 1

ANSWER: B

60. Identify which of the following is the use of function in python?

A. you can't also create your own functions

B. Functions don't provide better modularity for your application

C. Functions are reusable pieces of programs

D. All of the mentioned

ANSWER: C

61. Evaluate the result of the following Python code?

```
def Maxprint(x, y):
    if x > y:
        print(x, 'is maximum')
    elif x == y:
        print(x, 'is equal to', y)
    else:
        print(y, 'is maximum')
Maxprint(5, 6)
```

A. 5

B. 6

C. 6 is maximum

D. None of the mentioned

ANSWER: C

62. Identify which of the following is a feature of DocString?

A. Provide a convenient way of associating documentation with Python modules, functions, classes, and methods

B. All functions should have a docstring

C. All of the mentioned

D. Docstrings can be accessed by the __doc__ attribute on objects

ANSWER: C

63. Identify which are the advantages of functions in python?

A. Reducing duplication of code

B. All of the mentioned

C. Improving clarity of the code

D. Decomposing complex problems into simpler pieces

ANSWER: B

64. Evaluate the result of the following Python code?

```
def cube(y):
   return y * y * y
y = cube(2)
print x
```

A. 2
B. 4
C. 8
D. 20

ANSWER: C

65. Evaluate the result of the following Python code?

```
def f1():
   x=50
   print(x)
x=20
f1()
```

A. Error
B. 20
C. 50
D. 5020

ANSWER: C

66. Evaluate the result of the following Python code?

```
def san(y):
   print(y+1)
y=-2
y=4
san(20)
```

A. 21
B. 10
C. 2
D. 5

ANSWER: A

67. Identify the current syntax of rename() for a file?

A. rename(()(current_file_name, new_file_name))
B. rename(new_file_name, current_file_name,)
C. rename(current_file_name, new_file_name)
D. none of the mentioned

ANSWER: C

68. Identify the use of truncate() method in file?

A. deletes the file size
B. deletes the content of the file
C. truncates the file size
D. none of the mentioned

ANSWER: C

69. What represents an entity in the real world with its identity and behaviour.

A. method
B. operator
C. class
D. object

ANSWER: D

70. What is used to create an object?

A. class
B. In-built functions
C. User-defined functions
D. constructor

ANSWER: D

71. Evaluate the result of the following Python code?

```
class test:
    def __init__(self,a="Good Morning"):
        self.a=a
    def display(self):
        print(self.a)
obj=test()
obj.display()
```

A. The program has an error because constructor can't have default arguments

B. Nothing is displayed

C. "Good Morning" is displayed

D. The program has an error display function doesn't have parameters

ANSWER: C

72. Purpose of setattr()?

A. access the attribute of the object

B. delete an attribute

C. check if an attribute exists or not

D. set an attribute

ANSWER: D

73. Purpose of getattr()?

A. check if an attribute exists or not

B. delete an attribute

C. access the attribute of the object

D. set an attribute

ANSWER: C

74. Purpose of Instantiation in terms of OOP terminology?

A. Creating an instance of class

B. Modifying an instance of class

C. Copying an instance of class

D. Deleting an instance of class

ANSWER: A

75. Evaluate the result of the following Python code?

```
class fruits:
    def __init__(self, price):
        self.price = price
obj=fruits(50)
obj.quantity=10
obj.bags=2
print(obj.quantity+len(obj.__dict__))
```

A. 13

B. 52

C. 12

D. 60

ANSWER: A

76. The assignment of more than one function to a particular operator is _____

A. Operator overloading

B. Operator overriding

C. Operator over-assignment

D. Operator instance

ANSWER: A

77. Identify which of the following is not a class method?

A. Unbounded

B. Static

C. Bounded

D. Non-static

ANSWER: D

78. Identify the methods which begin and end with two underscore characters called?

A. Additional methods

B. In-built methods

C. User-defined methods

D. Special methods

ANSWER: D

79. Identify which of the following statement is wrong about inheritance?

A. Private members of a class can be inherited and accessed

B. The inheriting class is called a subclass

C. Protected members of a class can be inherited

D. Inheritance is one of the features of OOP

ANSWER: A

80. Evaluate the result of the following Python code?

```
class C():
    def disp(self):
        print("Welcome")
class D(C):
    pass
obj = D()
obj.disp()
```

A. Invalid syntax for inheritance

B. Error because when object is created, argument must be passed

C. Nothing is printed

D. Welcome

ANSWER: D

81. Identify which of the following is not a type of inheritance?

A. Single-level

B. Multi-level

C. Double-level

D. Multiple

ANSWER: C

82. Choose how many except statements can a try-except block have?

A. zero

B. more than zero

C. more than one

D. one

ANSWER: B

83. Identify when will the else part of try-except-else be executed?

A. when no exception occurs

B. when an exception occurs

C. always

D. when an exception occurs in to except block

ANSWER: A

84. Evaluate the result of the following Python code?

```
def foo():
    try:
        return 1
    finally:
        return 5
k = foo()
print(k)
```

A. 1

B. 5

C. 3

D. error, there is more than one return statement in a single try-finally block

ANSWER: B

85. Identify which of the following is not an exception handling keyword in Python?

A. try

B. except

C. finally

D. accept

ANSWER: D

86. What is an exception?

A. a module

B. a special function

C. a standard module

D. an object

ANSWER: D

87. Identify which of the following blocks will be executed whether an exception is thrown or not?

A. finally

B. else

C. except

D. assert

ANSWER: A

88. What is a Django App?

A. An app is a functionality, including models and views, that lives together in a single Python package.

B. Django app is a python package with its own components.

C. All of the above

D. Django app is an extended package with base package is Django.

ANSWER: C

89. What will happen on execution of this command : > python manage.py createsuperuser?

A. Both B and C

B. It will ask for name and password of the superuser.

C. It will create an admin superuser.

D. None of the above

ANSWER: A

90. Django is based on which framework?

A. MVT or MTV (Model-View-Template)

B. MVVM

C. MVC

D. None of the above

ANSWER: A

91. In Django, this template {# #} is used for?

A. It will raise an exception.

B. It is used for business logic.

C. It is comment in template language.

D. None of the above

ANSWER: C

92. Which of these commands are used to print the SQL query of the model in Django?

A. sqlmigrations

B. makemigrations

C. migrates

D. showmigration

ANSWER: A

93. Django is written in which language?

A. JAVA

B. PHP

C. C Programming language

D. Python

ANSWER: D

94. Django was introduced by whom?

A. Rasmus Lerdorf

B. Charls Holis

C. Adrian Holovaty

D. Tim beneres

ANSWER: C

95. What is the default database used in Django?

A. MySQL

B. SQLite

C. PostgreSQL

D. Oracle

ANSWER: B

96. What is Django's template language used for?

A. Dynamic HTML generation

B. URL routing

C. Object-Relational Mapping

D. Data Validation

ANSWER: A

97. What is Django's staticfiles app used for?

A. Storing data in cache

B. Generating dynamic HTML,

C. Handling user authentication,

D. Serving static files like images, CSS, and JavaScript,

ANSWER: D

98. Identify the purpose of Django's manage.py file?

A. run the development server

B. handle URL routing

C. manage project-level configuration and tasks

D. serve static files

ANSWER: C

99. In which delimiter the conditional statements if-else and endif are enclosed in Django?

A. [%..%]

B. None

C. (%..%)

D. {%..%}

ANSWER: D

100. Flask is a web development framework created in which language?

A. Java

B. Javascript

C. Python

D. C++

ANSWER: C

101. WSGI stands for the?

A. Write Server Gateway Interface

B. Web Server Gateway Interact

C. Web Static Gateway Interface

D. Web Server Gateway Interface

ANSWER: D

102. Which is Flask default port ?

A. 3000

B. 2020

C. 1000

D. 5000

ANSWER: D

103. To run the application in flask what is the command used for?

A. flask

B. run flask

C. run - flask

D. start -pythonflask

ANSWER: A

104. What construct is used to create anonymous functions at runtime in python?

A. lambda

B. anonymous

C. pi

D. none of the mentioned

ANSWER: A

105. Identify which of the following is the truncation division operator in Python?

A. |

B. %

C. /

D. //

ANSWER: D

106. Evaluate the result of the following Python code snippet?

```
for i in [5, 6, 7, 8][::-1]:
  print(i, end=' ')
```

A. 8 7 6 5

B. error

C. 5 6 7 8

D. none of the mentioned

ANSWER: A

107. Evaluate the result of the following Python code?

```
print("abc. PQR".capitalize())
```

A. Abc. pqr

B. abc. pqr

C. Abc. Pqr

D. ABC. PQR

ANSWER: A

108. To add a new element to a list we use which Python command?

A. list1.addEnd(7)

B. list1.addLast(7)

C. list1.append(7)

D. list1.add(7)

ANSWER: C

109. What is the maximum possible length of an identifier in Python?

A. 68 characters

B. 20 characters

C. 45 characters

D. none of the mentioned

ANSWER: D

110. Evaluate the result of the following Python code?

```
x = 'pqrs'
for i in range(len(x)):
  print(i)
```

A. error

B. 1 2 3 4

C. p q r s

D. 0 1 2 3

ANSWER: D

111. Evaluate the result of the following Python code snippet?

```
z=set('apq$xy')
'a' in z
```

A. Error

B. True

C. False

D. No output

ANSWER: B

112. Evaluate the result of the following Python expression?

```
round(5.576)
```

A. 4

B. 4.6

C. 6

D. 4.5

ANSWER: C

113. Evaluate the result of the following Python code?

```
>>>x="hello"
>>>x[:2]
```

A. he

B. lo

C. olleh

D. hello

ANSWER: A

114. Identify the return type of function id?

A. bool

B. float

C. int

D. dict

ANSWER: C

115. Evaluate the result of the following Python expression?

int(2055)?

A. 2055

B. 22

C. 25

D. None

ANSWER: A

116. Evaluate the result of the following Python code?

```
class Truth:
        pass
y=Truth()
bool(y)
```

A. true

B. pass

C. false

D. error

ANSWER: A

117. Evaluate the result of the following Python code?

```
i = 0
while i < 3:
   print(i)
   i += 1
else:
   print(0)
```

A. 0 1 2 3 0

B. error

C. 0 1 2

D. 0 1 2 0

ANSWER: D

118. Evaluate the result of the following Python code?

```
y = "abcdef"
while p in y:
   print(p, end=" ")
```

A. a b c d e f

B. abcdef

C. i i i i i i …

D. error

ANSWER: D

119. Evaluate the result of the following Python code?

```
d = {5: 'a', 6: 'b', 7: 'c'}
for i in d:
   print(i)
```

A. 5 6 7

B. a b c

C. 5 a 6 b 7 c

D. none of the mentioned

ANSWER: A

120. Evaluate the result of the following Python code?

```
d = {5: 'a', 6: 'b', 7: 'c'}
for x, y in d:
    print(x, y)
```

A. 5 6 7

B. a b c

C. 5 a 6 b 7 c

D. none of the mentioned

ANSWER: D

121. Evaluate the result of the following Python code?

```
d = {3, 4, 5}
for x in d:
    print(x)
```

A. 3 4 5

B. {3, 4, 5} {3, 4, 5} {3, 4, 5}

C. error

D. none of the mentioned

ANSWER: A

122. Evaluate the result of the following Python code?

```
for x in range(int(2.0)):
    print(x)
```

A. 0.0 1.0

B. 0 1

C. error

D. none of the mentioned

ANSWER: B

123. Evaluate the result of the following Python code snippet?

```
x = 2
for i in range(x):
    x += 1
    print (x)
```

A. 0 1 2 3 4 …

B. 3 4

C. 0 1

D. 0 1 2 3

ANSWER: B

124. Evaluate the result of the following Python code snippet?

```
x = 3
for i in range(x):
    x -= 2
    print (x)
```

A. 0 1 2 3 4 …

B. 1 -1 -3

C. 0

D. error

ANSWER: B

125. Evaluate the result of the following Python code snippet?

```
a = [0, 1, 2]
for a[0] in a:
    print(a[0])
```

A. 0 1 2

B. 0 1

C. 1 1 1

D. error

ANSWER: A

126. Evaluate the result of the following Python statement?

>>>"d"+"ef"

A. d

B. ef

C. none

D. def

ANSWER: D

127. Evaluate the result of the following Python code snippet if y=1?

y<<2

A. 4

B. 2

C. 1

D. 8

ANSWER: A

128. Evaluate the values of the following Python expressions?

2**(3**2)

(2**3)**2

2**3**2

A. 64, 64, 64

B. 512, 512, 512

C. 64, 512, 64

D. 512, 64, 512

ANSWER: D

129. Evaluate the result of the following Python function?

min(max(False,-4,-5), 3,8)

A. -4

B. -3

C. 2

D. False

ANSWER: D

130. Evaluate the result of the following Python program?

```
def foo(x):
   x[0] = ['def']
   x[1] = ['abc']
   return id(x)
q = ['abc', 'def']
print(id(q) == foo(q))
```

A. Error

B. True

C. False

D. None

ANSWER: B

131. Which of the following Python statements will result in the output: 10?

```
A = [[1, 2, 3],
   [8, 9, 10],
   [7, 8, 9]]
```

A. A[2][1]

B. A[1][2]

C. A[3][2]

D. A[2][3]

ANSWER: B

132. Evaluate the result of the following Python program?

```
x = 0
while x < 5:
   print(x)
   x += 1
   if x == 3:
      break
else:
   print(0)
```

A. error

B. 0 1 2 0

C. 0 1 2

D. none of the mentioned

ANSWER: C

133. Evaluate the result of the following Python program?

```
def addItem(listParam):
   listParam += [1]
mylist = [5,6,7,8,9]
addItem(mylist)
print(len(mylist))
```

A. 6

B. 5

C. 2

D. 1

ANSWER: A

134. Evaluate the result of the following Python code?

```
print("Hi {0[0]} and {0[1]}".format(('there', 'bin')))
```

A. Hello ('there', 'bin') and ('foo', 'bin')

B. Error

C. Hi there and bin

D. None of the mentioned

ANSWER: C

135. Evaluate the result of the following Python code?

```
def foo():
   try:
      return 25
   finally:
      return 84
k = foo()
print(k)
```

A. error, there is more than one return statement in a single try-finally block

B. 3

C. 84

D. 1

ANSWER: C

136. Evaluate the result of the following Python code snippet?

```
def example(a):
   a = a + '2'
   a = a*2
   return a
>>>x=example("hi")
>>>print(x)
```

A. indentation Error

B. cannot perform mathematical operation on strings

C. hi2

D. hi2hi2

ANSWER: D

137. Identify the return value of trunc()?

A. float

B. bool

C. int

D. None

ANSWER: C

138. Evaluate the result of print (0.2 + 0.4 == 0.5)?

A. True

B. False

C. Machine dependent

D. Error

ANSWER: B

139. Identify the type of inf?

A. Float

B. Integer

C. Boolean

D. Complex

ANSWER: A

140. Is the value of the expressions 5/(3*(2-1)) and 5/3*(2-1) is same?

A. True

B. False

C. Can't say

D. Error

ANSWER: A

141. What will be the value of x in the following Python expression?

x = int(53.55+2/2)

A. 53

B. 54

C. 22

D. 23

ANSWER: B

142. Evaluate the value of y in the following Python expression?

y = 2+8*((3*12)-8)/10

A. 30.0

B. 30.8

C. 28.4

D. 24.4

ANSWER: D

143. Evaluate the result of the following Python expression?

34//6%3, 34//4//2

A. (2,4)

B. (0,3)

C. (1,0)

D. (3,1)

ANSWER: A

144. What will be the value of y in the following Python expression, if the result of that expression is 4?

y>>2

A. 8

B. 4

C. 2

D. 1

ANSWER: D

145. Evaluate the result of the following Python expression if x=10 and y=12?

x & y

A. b1101

B. 0b1101

C. 8

D. 1101

ANSWER: C

146. Evaluate the result of the following Python expression?

5^12

A. 2

B. 4

C. 9

D. 12

ANSWER: C

147. Evaluate the result of the following Python code if a=5 and b =10?

```
a=5
b=10
a=a^b
b=a^b
a=a^b
print(a,b)
```

A. 10 20

B. 10 10

C. 10 5

D. 20 20

ANSWER: C

148. Evaluate the result of the following Python code?

```
if (8 < 0) and (0 < -8):
   print("hello")
elif (8 > 0) or False:
   print("good")
else:
   print("bad")
```

A. error

B. hello

C. good

D. bad

ANSWER: C

149. Evaluate the result of the following Python expression if x=56.236?

```
print("%.2f"%x)
```

A. 56.00

B. 0056.236

C. 56.23

D. 56.24

ANSWER: D

150. Evaluate the result of the following Python expression if y=22.19?

```
print("%5.2f"%y)
```

A. 22.1900

B. 22.00000

C. 22.20

D. 22.19

ANSWER: D

151. Identify the option that outputs: “There are 4 blue birds.”

A. 'There are %g %d birds.' %4 %blue

B. 'There are %d %s birds.' 4, blue

C. 'There are %s %d birds.' %[4, blue]

D. 'There are %d %s birds.' %(4, blue)

ANSWER: D

152. Evaluate the result of the following Python code?

```
x = 1
while True:
   if x%2 == 0:
      break
   print(x)
   x += 2
```

A. 1

B. 1 2

C. 1 2 3 4 5 6 …

D. 1 3 5 7 9 11 …

ANSWER: D

153. Evaluate the result of the following Python code?

```
x = 2
while True:
   if x%3 == 0:
      break
   print(x)
   x += 2
```

A. 2 4 6 8 10 …
B. 2 4
C. 2 3
D. error

ANSWER: B

154. Evaluate the result of the following Python code?

```
y = 0
while y < 5:
   print(y)
   y += 1
   if y == 3:
      break
else:
   print(0)
```

A. 0 1 2 0
B. none of the mentioned
C. error
D. 0 1 2

ANSWER: D

155. Evaluate the result of the following Python code?

```
x = "pqrst"
i = "z"
while i in x:
   print(i, end=" ")
```

A. pqrst
B. i i i i i i …
C. x x x x x
D. no output

ANSWER: D

156. Evaluate the result of the following Python code?

```
x = "pqrst"
i = "p"
while i in x:
   print(i, end = " ")
```

A. no output
B. i i i i i i …
C. p p p p p p …
D. error

ANSWER: C

157. Evaluate the result of the following Python code?

```
x = "pqrst"
i = "p"
while i in x:
   x = x[:-1]
   print(i, end = " ")
```

A. i i i i i i
B. p p p p p p
C. a a a
D. none of the mentioned

ANSWER: B

158. Evaluate the result of the following Python code?

```
x = 'pqrs'
for i in x:
   print(i)
   x.upper()
```

A. p Q R S
B. p q r s
C. P Q R S
D. error

ANSWER: B

159. Evaluate the result of the following Python code?

```
x = 'efgh'
for i in x:
   print(i.upper())
```

A. e f g h

B. E F G H

C. e F G H

D. error

ANSWER: B

160. Evaluate the result of the following Python code?

```
x = 'pqrs'
for i in range(x):
   print(i)
```

A. p q r s

B. 0 1 2 3

C. error

D. none of the mentioned

ANSWER: C

161. Evaluate the result of the following Python code snippet?

```
x = 'pqrs'
for i in range(len(x)):
   i[x].upper()
print (x)
```

A. pqrs

B. PQRS

C. error

D. none of the mentioned

ANSWER: C

162. Evaluate the result of the following Python code snippet?

```
x = 'pqrs'
for i in range(len(x)):
   x = 'p'
   print(x)
```

A. p

B. pqrs pqrs pqrs

C. p p p p

D. none of the mentioned

ANSWER: C

163. Evaluate the result of the following Python code?

```
x = 456
for i in x:
   print(i)
```

A. 4 5 6

B. 456

C. error

D. none of the mentioned

ANSWER: C

164. Evaluate the result of the following Python code?

```
d = {10: 'a', 11: 'b', 12: 'c'}
for x, y in d.items():
   print(x, y)
```

A. 10 11 12

B. a b c

C. 10 a 11 b 12 c

D. none of the mentioned

ANSWER: C

165. Evaluate the result of the following Python code?

```
d = {0: 'd', 1: 'e', 2: 'f'}
for x in d.values():
   print(x)
```

A. 0 1 2

B. d e f

C. 0 d 1 e 2 f

D. none of the mentioned

ANSWER: B

166. Evaluate the result of the following Python code?

```
d = {0: 'x', 1: 'y', 2: 'z'}
for x in d.values():
   print(d[x])
```

A. 0 1 2

B. a b c

C. 0 x 1 y 2 z

D. error

ANSWER: D

167. Evaluate the result of the following Python code?

```
for y in range(0):
   print(y)
```

A. 0

B. no output

C. error

D. none of the mentioned

ANSWER: B

168. Evaluate the result of the following Python code?

```
for i in range(9.0):
   print(i)
```

A. 0.0 1.0

B. 0 1 2

C. error

D. none of the mentioned

ANSWER: C

169. Evaluate the result of the following Python code?

```
for x in range(float('inf')):
   print (x)
```

A. 0.0 0.1 0.2 0.3 …

B. 0 1 2 3 …

C. 0.0 1.0 2.0 3.0 …

D. error

ANSWER: D

170. Evaluate the result of the following Python code?

```
for y in range(int(float('inf'))):
   print (y)
```

A. 0.0 0.1 0.2 0.3 …

B. 0 1 2 3 …

C. 0.0 1.0 2.0 3.0 …

D. error

ANSWER: D

171. Evaluate the result of the following Python code snippet?

```
for x in 'abcd'[::-1]:
   print (i)
```

A. a b c d

B. error

C. d c b a

D. none of the mentioned

ANSWER: C

172. Evaluate the result of the following Python code snippet?

```
for x in '':
   print (x)
```

A. None

B. no output

C. error

D. none of the mentioned

ANSWER: B

173. Evaluate the result of the following Python code?

```
for x in range(10):
    if x == 5:
        break
    else:
        print(x)
else:
    print("Here")
```

A. 0 1 2 3 4 Here

B. 0 1 2 3 4 5 Here

C. 1 2 3 4 5

D. 0 1 2 3 4

ANSWER: D

174. Evaluate the result of the following Python code?

```
st = "my name is z"
for i in st.split():
    print (i, end=", ")
```

A. m, y, , n, a, m, e, , i, s, , z,

B. m, y, , n, a, m, e, , i, s, , z

C. my, name, is, z,

D. error

ANSWER: C

175. Evaluate the result of the following Python code snippet?

```
a = [0, 1, 2, 3, 4, 5]
i = -2
for i not in a:
    print(i)
    i += 1
```

A. -2 -1

B. 0

C. none of the mentioned

D. error

ANSWER: D

176. Evaluate the result of the following Python statement?

```
>>>print('hi' 'there')
```

A. Error

B. Output equivalent to print ‘hi\there’

C. hithere

D. hi there

ANSWER: C

177. Evaluate the result of the following Python code?

```
>>>y1="helloworld"
>>>y1[::-1]
```

A. world

B. hello

C. dlrowolleh

D. helloworld

ANSWER: C

178. Evaluate the result of the following Python code?

```
>>>ex1 = "snow world"
>>>print("%s" % ex1[4:7])
```

A. sn

B. world

C. wo

D. rl

ANSWER: C

179. Evaluate the result of the following Python code?

```
>>>ex1 = "hello world"
>>>ex1[3] = 's'
>>>print ex1
```

A. hello

B. hello world

C. Error

D. he world

ANSWER: C

180. Provided a string example=”billy” what is the output of example.count('l')?

A. 2

B. 1

C. None

D. 0

ANSWER: A

181. Evaluate the result of the following Python code?

>>>example = "benny"

>>>example.find("e")

A. Error

B. -1

C. 1

D. 0

ANSWER: C

182. Evaluate the result of the following Python statement?

>>>chr(ord('B'))

A. 21

B. B

C. a

D. Error

ANSWER: B

183. Suppose p is “\t\tHello\n”, what is p.strip()?

A. \t\tHello\n

B. none

C. \t\tHELLO\n

D. Hello

ANSWER: D

184. The format function returns _____ when applied on a string

A. Error

B. str

C. bool

D. int

ANSWER: B

185. What will be the output of the “hi” +1+2+3?

A. hi123

B. hi

C. Error

D. hi6

ANSWER: C

186. Suppose p=”hello” what will be the return value of type(p)?

A. int

B. bool

C. str

D. String

ANSWER: C

187. In order to return the length of string s what command do we execute?

A. size(s)

B. len(s) only

C. len(s) OR s.__len__()

D. s.size()

ANSWER: C

188. Evaluate the result of the following Python code?

print("pqrst".center(0))

A. cd

B. pqrst

C. error

D. none of the mentioned

ANSWER: B

189. Evaluate the result of the following Python code?
print("pqrst".center(7, 1))

A. 1abcdef

B. abcdef1

C. abcdef

D. error

ANSWER: D

190. Evaluate the result of the following Python code?
print("ayyzayzazayy".count('yy'))

A. 2

B. 0

C. error

D. none of the mentioned

ANSWER: A

191. Evaluate the result of the following Python code?
print("ayyzayzazayy".count('yy', 1))

A. 2

B. 0

C. 1

D. none of the mentioned

ANSWER: A

192. Evaluate the result of the following Python code?
print("ayyzayzazayy".count('yy', 2))

A. 2

B. 0

C. 1

D. none of the mentioned

ANSWER: C

193. Evaluate the result of the following Python code?
print("ayyzayzazayy".count('ayy', 0, 100))

A. 2

B. 0

C. 1

D. error

ANSWER: A

194. Evaluate the result of the following Python code?
print('xyz'.encode())

A. xyz

B. ‘xyz’

C. b’xyz’

D. h’xyz’

ANSWER: C

195. What is the default value of encoding in encode()?

A. utf-8

B. qwerty

C. ascii

D. utf-16

ANSWER: A

196. Evaluate the result of the following Python code?
print("ayyzayzazayy".endswith("ayy"))

A. 1

B. True

C. 3

D. 2

ANSWER: B

197. Evaluate the result of the following Python code?

print("ayyzayzazayy".endswith("ayy", 0, 2))

A. 0

B. 1

C. True

D. False

ANSWER: D

198. Evaluate the result of the following Python code?

print('{0:.3}'.format(1/3))

A. 0.333333

B. 0.333

C. 0.333333:.2

D. Error

ANSWER: B

199. Evaluate the result of the following Python code?

print('xy12'.isalnum())

A. True

B. False

C. None

D. Error

ANSWER: A

200. Evaluate the result of the following Python code?

print('x Y'.isalpha())

A. True

B. False

C. None

D. Error

ANSWER: B

201. Evaluate the result of the following Python code snippet?

print('0xa'.isdigit())

A. False

B. True

C. None

D. Error

ANSWER: A

202. Evaluate the result of the following Python code snippet?

print('hello'.isidentifier())

A. True

B. False

C. None

D. Error

ANSWER: A

203. Evaluate the result of the following Python code snippet?

print('__hello__'.isidentifier())

A. True

B. False

C. None

D. Error

ANSWER: A

204. Evaluate the result of the following Python code snippet?

print('forin'.isidentifier())

A. True

B. False

C. None

D. Error

ANSWER: A

205. Evaluate the result of the following Python code snippet?

```
print("""".isspace())
```

A. False

B. True

C. None

D. Error

ANSWER: A

206. Evaluate the result of the following Python code snippet?

```
print('\t'.isspace())
```

A. False

B. True

C. None

D. Error

ANSWER: B

207. Evaluate the result of the following Python code snippet?

```
print('WelcomeBack'.istitle())
```

A. True

B. False

C. None

D. Error

ANSWER: B

208. Evaluate the result of the following Python code snippet?

```
print('Welcome'.istitle())
```

A. True

B. False

C. None

D. Error

ANSWER: A

209. Evaluate the result of the following Python code?

```
print('Hello!2@#World'.istitle())
```

A. False

B. True

C. None

D. error

ANSWER: B

210. Evaluate the result of the following Python code?

```
print('1Xn@'.lower())
```

A. n

B. 1xn@

C. rn

D. r

ANSWER: B

211. Evaluate the result of the following Python code?

```
print('ayyzaayayy'.lstrip('ayy'))
```

A. error

B. zaayayy

C. z

D. zaay

ANSWER: B

212. Evaluate the result of the following Python code?

```
print('abpqefpqgh'.partition('pq'))
```

A. ('ab', 'pq', 'ef', 'pq', 'gh')

B. ('ab', 'pq', 'efpqgh')

C. ('abpqef', 'pq', 'gh')

D. error

ANSWER: B

213. Evaluate the result of the following Python code snippet?

print('xyyxyyxyxyxxy'.replace('xy', '12', 0))

A. xyyxyyxyxyx12

B. 12y12y1212x12

C. 12yxyyxyxyxxy

D. xyyxyyxyxyxxy

ANSWER: D

214. Evaluate the result of the following Python code snippet?

print('xyyxyyxyxyxxy'.replace('xy', '12', 100))

A. xyyxyyxyxyxxy

B. error

C. none of the mentioned

D. 12y12y1212x12

ANSWER: D

215. Evaluate the result of the following Python code snippet?

print('abcdefcdghcd'.split('cd', 0))

A. error

B. 'abcdefcdghcd'

C. ['abcdefcdghcd']

D. none of the mentioned

ANSWER: C

216. Evaluate the result of the following Python code snippet?

print('abcdefcdghcd'.split('cd', -1))

A. ['ab', 'ef', 'gh']

B. ('ab', 'ef', 'gh', ”)

C. ('ab', 'ef', 'gh')

D. ['ab', 'ef', 'gh', ”]

ANSWER: D

217. Evaluate the result of the following Python code snippet?

print('pq rs tu'.title())

A. pq rs tu

B. error

C. Pq Rs Tu

D. None of the mentioned

ANSWER: C

218. Evaluate the result of the following Python code snippet?

print('abcd'.translate({97: 98, 98: 99, 99: 100}))

A. bcdc

B. none of the mentioned

C. error

D. abcd

ANSWER: B

219. What function do we use to shuffle the list(say list1)?

A. random.shuffle(list1)

B. shuffle(list1)

C. list1.shuffle()

D. random.shuffleList(list1)

ANSWER: A

220. Say list1 is [4, 2, 2, 4, 5, 2, 1, 0], Identify the correct syntax for slicing operation?

A. print(list1[2:])

B. print(list1[:2])

C. all of the mentioned

D. print(list1[:-2])

ANSWER: C

221. To insert 8 to the third position in list1, we use which command?

A. list1.insert(3, 8)

B. list1.insert(2, 8)

C. list1.add(3, 8)

D. list1.append(3, 8)

ANSWER: B

222. Identify the command to remove string “hi” from list1.

A. list1.remove(“hi”)

B. list1.remove(hi)

C. list1.removeAll(“hi”)

D. list1.removeOne(“hi”)

ANSWER: A

223. Say, listExample is [3, 4, 5, 20, 5, 25, 1, 3], Identify list1 after listExample.pop(1)?

A. [3, 4, 5, 20, 5, 25, 1, 3]

B. [1, 3, 3, 4, 5, 5, 20, 25]

C. [1, 3, 4, 5, 20, 5, 25]

D. [3, 5, 20, 5, 25, 1, 3]

ANSWER: D

224. Say listExample is [3, 4, 5, 20, 5, 25, 1, 3], Identify list1 after listExample.pop()?

A. [3, 5, 20, 5, 25, 1, 3]

B. [1, 3, 3, 4, 5, 5, 20, 25]

C. [3, 4, 5, 20, 5, 25, 1]

D. [1, 3, 4, 5, 20, 5, 25]

ANSWER: C

225. Evaluate the result of the following Python code?

```
def f(i, values = []):
    values.append(i)
    return values
f(4)
f(5)
v = f(6)
print(v)
```

A. [4] [5] [6]

B. [4] [4, 5] [4, 5, 6]

C. [4, 5, 6]

D. 4 5 6

ANSWER: C

226. Evaluate the result of the following Python code?

```
names1 = ['Bob', 'Betty', 'John']
if 'bob' in names1:
    print(1)
else:
    print(2)
```

A. None

B. 1

C. 2

D. Error

ANSWER: C

227. Evaluate the result of the following Python code?

```
def addItem(listParam):
    listParam += [1]
mylist = [31, 32, 33, 34]
addItem(mylist)
print(len(mylist))
```

A. 1

B. 4

C. 5

D. 8

ANSWER: C

228. Evaluate the result of the following Python code?

```
values = [[3, 4, 5, 1], [33, 6, 1, 2]]
v = values[0][0]
for lst in values:
    for element in lst:
        if v > element:
            v = element
print(v)
```

A. 6
B. 3
C. 5
D. 1

ANSWER: D

229. Evaluate the result of the following Python code?

```
data = [[[11, 12], [13, 14]], [[15, 16], [17, 18]]]
print(data[1][0][0])
```

A. 11
B. 12
C. 14
D. 15

ANSWER: D

230. Evaluate the result of the following Python code?

```
points = [[10, 20], [30, 1.5], [0.5, 0.5]]
points.sort()
print(points)
```

A. [[10, 20], [30, 1.5], [0.5, 0.5]]
B. [[30, 1.5], [10, 20], [0.5, 0.5]]
C. [[0.5, 0.5], [10, 20], [30, 1.5]]
D. [[0.5, 0.5], [30, 1.5], [10, 20]]

ANSWER: C

231. Evaluate the result of the following Python code?

```
a=[100,230,560,[780]]
b=list(a)
a[3][0]=950
a[1]=340
print(b)
```

A. [100,340,560,[950]]
B. [100,230,560,[780]]
C. [100,230,560,[950]]
D. [100,340,560,[780]]

ANSWER: C

---

232. Evaluate the result of the following Python code?

```
lst=[3,4,6,1,2]
lst[1:2]=[7,8]
print(lst)
```

A. [3,4,6,7,8]
B. Syntax error
C. [3,[7,8],6,1,2]
D. [3, 7, 8, 6, 1, 2]

ANSWER: D

233. Evaluate the result of the following Python code?

```
a= [10, 20, 30, 40, 50]
for i in range(1, 5):
    a[i-1] = a[i]
for i in range(0, 5):
    print(a[i],end = " ")
```

A. 5 5 1 2 3
B. 50 10 20 30 40
C. 20 30 40 50 10
D. 20 30 40 50 50

ANSWER: D

234. Evaluate the result of the following Python code snippet?

print([i.lower() for i in "HELLO"])

A. hello

B. 'hello'

C. ['hello']

D. ['h', 'e', 'l', 'l', 'o']

ANSWER: D

235. Evaluate the result of the following Python code?

s=["pune", "mumbai", "delhi"]

[(w.upper(), len(w)) for w in s]

A. [('PUNE', 4), ('MUMBAI', 6), ('DELHI', 5)]

B. ['PUNE', 4, 'MUMBAI', 6, 'DELHI', 5]

C. [PUNE, 4, MUMBAI, 6, DELHI, 5]

D. Error

ANSWER: A

236. Evaluate the result of the following Python code?

l=["good", "oh!", "excellent!", "#450"]

print([n for n in l if n.isalpha() or n.isdigit()])

A. ['good', 'oh', 'excellent', '450']

B. ['oh!', 'excellent!', '#450']

C. ['good', '#450']

D. ['good']

ANSWER: D

237. Evaluate the result of the following Python code?

A = [[11, 21, 31],

[41, 51, 61],

[71, 81, 91]]

[A[row][1] for row in (0, 1, 2)]

A. [71, 81, 91]

B. [41, 51, 61]

C. [21, 51, 81]

D. [11, 41, 71]

ANSWER: C

238. Evaluate the result of the following Python code?

A = [[11, 21, 31],

[41, 51, 61],

[71, 81, 91]]

[A[i][i] for i in range(len(A))]

A. [11, 51, 91]

B. [31, 51, 71]

C. [41, 51, 61]

D. [21, 51, 81]

ANSWER: A

239. Evaluate the result of the following Python code?

>>>t = (10, 20, 40, 30, 80, 90)

>>>[t[i] for i in range(0, len(t), 2)]

A. [20, 30, 90]

B. [10, 20, 40, 30, 80, 90]

C. [10, 40, 80]

D. (10, 40, 80)

ANSWER: C

240. Evaluate the result of the following Python code?

>>>t1 = (11, 21, 41, 31)

>>>t2 = (11, 21, 31, 41)

>>>t1 < t2

A. True

B. False

C. Error

D. None

ANSWER: B

241. Evaluate the result of the following Python code?

>>>my_tuple = (11, 21, 31, 41)

>>>my_tuple.append((51, 61, 71))

>>>print len(my_tuple)

A. 1

B. 2

C. 5

D. Error

ANSWER: D

If a=(11,21,31,41), a[1:-1] is _____

A. Error, tuple slicing doesn't exist

B. [21,31]

C. (21,31,41)

D. (21,31)

ANSWER: D

242. Evaluate the result of the following Python code?

>>> a=(11,21,(41,51))

>>> b=(11,21,(31,41))

>>> a<b

A. False

B. True

C. Error, < operator is not valid for tuples

D. Error, < operator is valid for tuples but not if there are sub-tuples

ANSWER: A

243. Evaluate the result of the following Python code?

>>> a=(20,30,40)

>>> sum(a,30)

A. Too many arguments for sum() method

B. The method sum() doesn't exist for tuples

C. 120

D. 90

ANSWER: C

244. Evaluate the result of the following Python code?

>>> a=(0,11,21,31,41)

>>> b=slice(0,2)

>>> a[b]

A. Invalid syntax for slicing

B. [0,21]

C. (0,11)

D. (0,21)

ANSWER: C

245. Is the following Python code valid?

>>> a,b,c=10,20,30

>>> a,b,c

A. Yes, [10,20,30] is printed

B. No, invalid syntax

C. Yes, (10,20,30) is printed

D. 1 is printed

ANSWER: C

246. Is the following Python code valid?

>>> a,b=11,21,31

A. Yes, this is an example of tuple unpacking. a=11 and b=21

B. Yes, this is an example of tuple unpacking. a=(11,21) and b=31

C. No, too many values to unpack

D. Yes, this is an example of tuple unpacking. a=11 and b=(21,31)

ANSWER: C

247. Evaluate the result of the following Python code?

```
>>> a=(10,20)
>>> b=(30,40)
>>> c=a+b
>>> c
```

A. (40,60)

B. (10,20,30,40)

C. Error as tuples are immutable

D. None

ANSWER: B

248. Evaluate the result of the following Python code?

```
>>> a,b=60,70
>>> a,b=b,a
>>> a,b
```

A. (60,70)

B. Invalid syntax

C. (70,60)

D. Nothing is printed

ANSWER: C

249. Is the following Python code valid?

```
>>> a=21,31,41,51
>>> a
```

A. Yes, 21 is printed

B. Yes, [21,31,41,51] is printed

C. No, too many values to unpack

D. Yes, (21,31,41,51) is printed

ANSWER: D

250. Evaluate the result of the following Python code?

```
>>> a=(21,31,11,51)
>>> a.sort()
>>> a
```

A. (11,21,31,51)

B. (21,31,11,51)

C. None

D. Error, tuple has no attribute sort

ANSWER: D

251. Is the following Python code valid?

```
>>> a=(10,20,30)
>>> b=a.update(40,)
```

A. Yes, a=(10,20,30,40) and b=(10,20,30,40)

B. Yes, a=(10,20,30) and b=(10,20,30,40)

C. No because tuples are immutable

D. No because wrong syntax for update() method

ANSWER: C

252. Which of the following is not the correct syntax for creating a set?

A. set([[11,21],[31,41]])

B. set([11,21,21,31,41])

C. set((11,21,31,41))

D. {11,21,31,41}

ANSWER: A

253. Evaluate the result of the following Python code?

```
nums = set([10,10,20,30,30,30,40,40])
print(len(nums))
```

A. 7

B. Error, invalid syntax for formation of set

C. 4

D. 8

ANSWER: C

254. Evaluate the result of the following Python code?

```
>>> a={40,50,60}
>>> b={20,80,60}
>>> a+b
```

A. {40,50,60,20,80}

B. {40,50,60,20,80,60}

C. Error as unsupported operand type for sets

D. Error as the duplicate item 6 is present in both sets

ANSWER: C

255. Evaluate the result of the following Python code?

```
>>> a={41,51,61}
>>> b={21,81,61}
>>> a-b
```

A. {41,51}

B. {61}

C. Error as unsupported operand type for set data type

D. Error as the duplicate item 6 is present in both sets

ANSWER: A

256. Evaluate the result of the following Python code?

```
>>> a={51,61,71,81}
>>> b={71,81,101,111}
>>> a^b
```

A. {51,61,71,81,101,111}

B. {71,81}

C. Error as unsupported operand type of set data type

D. {51,61,101,111}

ANSWER: D

257. Evaluate the result of the following Python code?

```
>>> a={30,40,50}
>>> b={50,60,70}
>>> a|b
```

A. Invalid operation

B. {30, 40, 50, 60, 70}

C. {50}

D. {30,40,60,70}

ANSWER: B

258. Is the following Python code valid?

```
a={31,41,{71,51}}
print(a[2][0])
```

A. Yes, 71 is printed

B. Error, elements of a set can't be printed

C. Error, subsets aren't allowed

D. Yes, {71,51} is printed

ANSWER: C

259. Identify which of these about a frozenset is not true?

A. Immutable data type

B. Allows duplicate values

C. Data type with unordered values

D. Mutable data type

ANSWER: D

260. Identify the syntax of the following Python code?

```
>>> a=frozenset(set([51,61,71]))
>>> a
```

A. {51,61,71}

B. frozenset({51,61,71})

C. Error, not possible to convert set into frozenset

D. Syntax error

ANSWER: B

261. Is the following Python code valid?

```
>>> a=frozenset([50,60,70])
>>> a
>>> a.add(50)
```

A. Yes, now a is {50,50,60,70}

B. No, frozen set is immutable

C. No, invalid syntax for add method

D. Yes, now a is {50,60,70}

ANSWER: B

262. Evaluate the result of the following Python code?

```
>>> a={31,41,51}
>>> a.update([11,21,31])
>>> a
```

A. Error, no method called update for set data type

B. {11, 21, 31, 41, 51}

C. Error, list can't be added to set

D. Error, duplicate item present in list

ANSWER: B

263. Evaluate the result of the following Python code?

```
>>> a={11,21,31}
>>> a.intersection_update({21,31,41,51})
>>> a
```

A. {21,31}

B. Error, duplicate item present in list

C. Error, no method called intersection_update for set data type

D. {11,41,51}

ANSWER: A

264. Evaluate the result of the following Python code?

```
>>> a={11,21,31}
>>> b=a.copy()
>>> b.add(41)
>>> a
```

A. {11,21,31}

B. Error, invalid syntax for add

C. {11,21,31,41}

D. Error, copying of sets isn't allowed

ANSWER: A

265. Evaluate the result of the following Python code?

```
>>> a={10,20,30}
>>> b=a.add(40)
>>> b
```

A. 0

B. {10,20,30,40}

C. {10,20,30}

D. Nothing is printed

ANSWER: D

266. Evaluate the result of the following Python code?

```
a={10,20,30}
b={10,20,30}
c=a.issubset(a)
print(c)
```

A. True

B. Error, no method called issubset() exists

C. Syntax error for issubset() method

D. False

ANSWER: A

267. Is the following Python code valid?

```
a={10,20,30}
b={10,20,30,40}
c=a.issuperset(b)
print(c)
```

A. False

B. True

C. Syntax error for issuperset() method

D. Error, no method called issuperset() exists

ANSWER: A

268. Evaluate the result of the following Python code snippet?

```
d = {"ben":40, "peter":45}
print(list(d.keys()))
```

A. [“ben”, “peter”]

B. [“ben”:40, “peter”:45]

C. (“ben”, “peter”)

D. (“ben”:40, “peter”:45)

ANSWER: A

269. Which of the following is not a declaration of the dictionary?

A. {1: 'C', 2: 'D'}

B. dict([[1,”C”],[2,”D”]])

C. {1,”C”,2”D”}

D. { }

ANSWER: C

270. Evaluate the result of the following Python code snippet?

```
a={10:"A",20:"B",30:"C"}
for i,j in a.items():
  print(i,j,end=" ")
```

A. 10 A 20 B 30 C

B. 10 20 30

C. A B C

D. 10:”A” 20:”B” 30:”C”

ANSWER: A

271. Evaluate the result of the following Python code snippet?

```
a={11:"A",21:"B",31:"C"}
print(a.get(11,41))
```

A. 1

B. A

C. 4

D. Invalid syntax for get method

ANSWER: B

272. Evaluate the result of the following Python code snippet?

```
a={10:"A",20:"B",30:"C"}
print(a.get(50,40))
```

A. Error, invalid syntax

B. A

C. 50

D. 40

ANSWER: D

273. Evaluate the result of the following Python code?

```
a={10:"A",20:"B",30:"C"}
b={40:"D",50:"E"}
a.update(b)
print(a)
```

A. {10: 'A', 20: 'B', 30: 'C'}

B. Method update() doesn't exist for dictionaries

C. {10: 'A', 20: 'B', 30: 'C', 40: 'D', 50: 'E'}

D. {40: 'D', 50: 'E'}

ANSWER: C

274. Evaluate the result of the following Python code?

```
a={11:"A",21:"B",31:"C"}
b=a.copy()
b[21]="D"
print(a)
```

A. Error, copy() method doesn't exist for dictionaries

B. {11: 'A', 21: 'B', 31: 'C'}

C. {11: 'A', 21: 'D', 31: 'C'}

D. "None" is printed

ANSWER: B

275. Evaluate the result of the following Python code?

```
a={10:5,20:3,30:4}
print(a.pop(40,90))
```

A. 90

B. 30

C. Too many arguments for pop() method

D. 40

ANSWER: A

276. Evaluate the result of the following Python code?

```
>>> a={11:"A",21:"B",31:"C"}
>>> a.items()
```

A. Syntax error

B. dict_items([('A'), ('B'), ('C')])

C. dict_items([(11,21,31)])

D. dict_items([(11, 'A'), (21, 'B'), (31, 'C')])

ANSWER: D

277. Evaluate the result of the following Python code snippet?

```
>>> a={10:"A",20:"B",30:"C"}
>>> del a
```

A. method del doesn't exist for the dictionary

B. del deletes the values in the dictionary

C. del deletes the entire dictionary

D. del deletes the keys in the dictionary

ANSWER: C

278. Evaluate the result of the following Python code snippet?

```
a={}
a['a']=10
a['b']=[20,30,40]
print(a)
```

A. Exception is thrown

B. {'b': [20], 'a': 10}

C. {'b': [20], 'a': [30]}

D. {'a': 10, 'b': [20, 30, 40]}

ANSWER: D

279. Evaluate the result of the following Python code?

```
def maximum(x, y):
  if x > y:
    return x
  elif x == y:
    return 'The numbers are equal'
  else:
    return y
print(maximum(21, 31))
```

A. 21

B. 31

C. The numbers are equal

D. None of the mentioned

ANSWER: B

280. For what is hasattr(obj,name) used?

A. check if an attribute exists or not

B. delete an attribute

C. access the attribute of the object

D. set an attribute

ANSWER: A

281. For what is delattr(obj,name) used?

A. print deleted attribute

B. set an attribute

C. check if an attribute is deleted or not

D. delete an attribute

ANSWER: D

282. Say B is a subclass of A, to invoke the __init__ method in A from B, what is the line of code you should write?

A. A.__init__(b)

B. B.__init__(self)

C. A.__init__(self)

D. B.__init__(a)

ANSWER: C

283. Is the following Python code valid?

```
try:
   # Do something
except:
   # Do something
finally:
   # Do something
```

A. yes

B. no, finally cannot be used with except

C. no, finally must come before except

D. no, there is no such thing as finally

ANSWER: A

284. Evaluate the result of the following Python code?

```
lst = [11, 21, 31]
lst[31]
```

A. NameError

B. ValueError

C. IndexError

D. TypeError

ANSWER: C

285. Evaluate the result of the following Python code?

```
x[5]
```

A. IndexError

B. ValueError

C. TypeError

D. NameError

ANSWER: D

286. Evaluate the result of the following Python code, if the time module has already been imported?

```
5 + '4'
```

A. NameError

B. IndexError

C. TypeError

D. ValueError

ANSWER: C

287. What exceptions are raised as a result of an error in opening a particular file?

A. IOError

B. TypeError

C. ImportError

D. ValueError

ANSWER: A

288. What are Migrations in Django?

A. Migrations are files where Django stores changes to your models.

B. All of the above

C. They are created when you run makemigrations command.

D. They are files saved in migrations directory.

ANSWER: B

289. What does admin.autodiscover() do in Django?

A. It will look through INSTALLED_APPS when admin is requested.

B. If the installed apps have admin.py it will execute them.

C. None of the above

D. Both a and b

ANSWER: D

290. What is request.META in request object used in Django?

A. It is a python dictionary.

B. All of the above

C. It contains the user's IP address and machine specifications.

D. It contains all the HTTP Headers associated with a particular request.

ANSWER: B

291. Identify what kind of non-HTML outputs can Django generate?

A. .epub Files

B. Python files

C. Exe files

D. Sitemaps (an XML format developed by google)

ANSWER: D

292. Identify what are request.GET and request.POST objects?

A. Python Dictionary-Like objects

B. Python Lists

C. Python Dictionaries

D. None of the above

ANSWER: A

293. Identify the code that will give us a text area form field in Django?

A. Field_name = forms.TextAreaField()

B. Field_name = forms.ButtonField(widgets = forms.Textarea)

C. Field_name = forms.CharField(widgets = forms.Textarea)

D. None of the above

ANSWER: C

294. Identify when url.py file is edited while the development server is still running in Django?

A. Development server terminates.

B. The web page is automatically reloaded.

C. The development server does nothing.

D. The development server automatically restarts.

ANSWER: D

295. Identify the purpose of __init__.py in project directories in Django?

A. It is used to initialize any empty values.

B. It is useless and can be deleted.

C. It allows Python to recognize the folder as package.

D. None of the above

ANSWER: C

296. Identify the value of DEBUG when website is online/ or deployed using Django?

A. True

B. False

C. None

D. Null

ANSWER: B

297. Identify what does {{ forloop.counter }} prints in Django?

A. It prints the integer value of no. of times the loop executed.

B. It will count the number of times loop ran.

C. It will not print if for loop variable is not defined.

D. None of the above

ANSWER: A

298. Say you want to count the number of books in Django.

books = Book.objects.all()

Which implementation would be fastest?

A. Template Language Implementation – {{ books | length }}

B. Python Implementation – len(books)

C. Database level Implementation – books.count()

D. None of the above

ANSWER: C

299. Identify the command which is not a management command of staticfiles in Django?

A. python manage.py collectstatic

B. python manage.py makemigrations

C. python manage.py runserver –nostatic

D. python manage.py findstatic

ANSWER: B

300. Identify which of these is not a valid method or approach to perform URL resolution in Django?

A. Using Template {{ url : }} in template

B. None of the above

C. Using get_absolute_url()

D. Using reverse() in View Functions

ANSWER: B

301. Identify which of the following Password Validators are not provided by default in Django?

A. NumericPasswordValidator

B. MaximumLengthValidator

C. MinimumLengthValidator

D. CommonPasswordValidator

ANSWER: B

302. Identify which of these are not built-in Validators in Django?

A. MinLengthValidator

B. EmailValidator

C. None of the above

D. ProhibitNullCharacterValidator

ANSWER: C

303. Identify which of these is not a step in Form Validation in Django?

A. to_python() method

B. clear()

C. run_validators()

D. validate() method

ANSWER: B

304. Identify which of these is not a valid backend for caching in Django?

A. django.core.cache.backends.db.DatabaseCache

B. django.core.cache.backends.locmem.LocMemCache

C. django.core.cache.backends.filebased.FileBasedCache

D. django.core.cache.backends.sys.memory

ANSWER: D

305. Identify per-site caching in Django?

A. Caching of all the static files

B. Caching of all the views on a website

C. Caching of the whole website

D. None of the above

ANSWER: C

306. Identify the result of this code in admin.py file in Django?

admin.site.site_header = “Django Hello”

A. The title of Django's admin panel tab will change.

B. The admin will have no changes at all.

C. The admin will throw an error.

D. The heading of the admin panel will change.

ANSWER: D

307. Identify the Django command to view a database schema of an existing (or legacy) database?

A. django-admin.py schemadump

B. manage.py inspect

C. manage.py inspectdb

D. manage.py legacydb

ANSWER: C

308. Identify the Django command to start a new app named 'users' in an existing project?,

A. manage.py users

B. manage.py newapp users

C. manage.py startapp users

D. manage.py users start

ANSWER: C

309. What is the command used to create a new Django Project?

A. $ django-admin startproject project_name

B. $ django createproject project_name

C. $ django-admin createproject project_name

D. $ django startproject project_name

ANSWER: A

310. Select the correct statement to run migrate command in Django?

A. py migrate

B. py manage.py pymigrate

C. py manage.py migrate

D. run manage.py migrate

ANSWER: C

311. Except Django comment tag, what can be used to write smaller comments?

A. {{# ... #}}

B. {# ... #}

C. #..

D. /* … *

ANSWER: B

312. Identify the Django tag which is used to include a template inside the current template?

A. insert

B. allow

C. import

D. include

ANSWER: D

313. Which Django keyword is used to send variables into the template?

A. export

B. go

C. with

D. send

ANSWER: C

314. How can you define a one-to-many relationship between two models in Django?

A. ManyToOneField()

B. models.ForeignKey()

C. ForeignKeyField()

D. OneToManyField()

ANSWER: B

315. Identify which is used as a global namespace for holding any data during the application context?

A. Flask q object

B. Flask f object

C. Flask g object

D. Flask a object

ANSWER: C

316. Identify the function used to display a message in flask?

A. flash()

B. display()

C. show()

D. document()

ANSWER: A

317. Which of the following templates engines is the default choice for Flask?

A. Handlebars

B. Jinja

C. Mako

D. Django Templates

ANSWER: B

318. Evaluate the result of the following Python code?

```
l=[11, 0, 21, 0, 'hello', '', []]
list(filter(bool, l))
```

A. [11, 0, 21, 'hello', ”, []]

B. Error

C. [11, 21, 'hello']

D. [11, 0, 21, 0, 'hello', ”, []]

ANSWER: C

319. Evaluate the result of the following Python expression if x=76.236?

```
print("%.2f"%x)
```

A. 76.236

B. 76.23

C. 76.0000

D. 76.24

ANSWER: D

320. Evaluate the result of the following Python code?

```
print('*', "pqrst".center(6), '*', sep='')
```

A. * tsrqp *

B. *pqrst *

C. error

D. none

ANSWER: B

321. The process of pickling in Python includes _____

A. conversion of a list into a datatable

B. conversion of a datatable into a list

C. conversion of a byte stream into Python object hierarchy

D. conversion of a Python object hierarchy into byte stream

ANSWER: D

322. Which of the following results in a SyntaxError?

A. '”Once upon a time…”, she said.'

B. “He said, ‘Yes!’”

C. '5\'

D. ''That’s okay”'

ANSWER: C

323. What does ~6 evaluate to?

A. -7

B. -4

C. -3

D. +3

ANSWER: A

324. What does ~~~~~~6 evaluate to?

A. +6

B. -11

C. +11

D. -5

ANSWER: A

325. Identify in the following expressions which involves coercion when evaluated in Python?

A. 1.7 % 2

B. 7.9 * 6.3

C. 4.7 – 1.5

D. 3.4 + 4.6

ANSWER: A

326. Evaluate the result of the following Python expression if x=789?

print("%-06d"%x)

A. 000789

B. 789000

C. 789

D. error

ANSWER: C

327. Evaluate the result of the following Python expression if X=678?

print("%06d"%X)

A. 678000

B. 000678

C. 000000678

D. 678000000

ANSWER: B

328. Evaluate the result of the following Python expression if X = -1122?

print("-%06d"%X)

A. −0001122

B. 0001122

C. −−01122

D. −001122

ANSWER: C

329. Evaluate the result of the following Python expression if the value of x is 45?

print("%f"%x)

A. 45.0

B. 45

C. 45.000000

D. error

ANSWER: C

330. Evaluate the result of the following Python code snippet?

```
for i in ''.join(reversed(list('pqrs'))):
    print (i)
```

A. p q r s

B. s r q p

C. error

D. none of the mentioned

ANSWER: B

331. Evaluate the result of the following Python code?

print(0xA + 0xB + 0xc)

A. 33

B. Error

C. 0x22

D. 0xA0xB0xC

ANSWER: A

332. Evaluate the result of the following Python code?

>>>max("what are you")

A. error

B. y

C. t

D. u

ANSWER: B

333. Evaluate the result of the following Python code?

>>>example="david"

>>>example[::-1].startswith("d")

A. error

B. True

C. -1

D. None

ANSWER: B

334. Evaluate the result of the following Python statement?

>>>print(chr(ord('c')+1))

A. a

B. b

C. d

D. A

ANSWER: C

335. Evaluate the result of the following Python statement?(python 3.xx)

>>>print(format("Welcome", "10s"), end = '#')

>>>print(format(111, "4d"), end = '#')

>>>print(format(924.656, "3.2f"))

A. error

B. none

C. Welcome # 111#924.66

D. Welcome

ANSWER: C

336. What will be displayed by print(ord('d')–ord('c'))?

A. 0

B. 1

C. -1

D. 2

ANSWER: B

337. What command do we execute to retrieve the character at index 2 from string s="Hello"?

A. s[]

B. s.itemget(2)

C. s.__getitem__(2)

D. getItem.s(2)

ANSWER: C

338. If a class defines the __str__(self) method, for an object obj for the class, you can use which command to invoke the __str__ method.

A. obj.__str__()

B. all of the mentioned

C. print obj

D. str(obj)

ANSWER: B

339. To check whether string t1 contains another string t2, use _____

A. t1.__contains__(t2)

B. t2 in t1

C. t1.contains(t2)

D. t1.in(t2)

ANSWER: A

340. Evaluate the result of the following Python code?

print('*', "pqrstu".center(7), '*')

A. pqrstu

B. * pqrstu *

C. error

D. none

ANSWER: B

341. Evaluate the result of the following Python code?

print("ayyzayzazayy".count('ayy', -10, -1))

A. 2

B. 0

C. 1

D. error

ANSWER: B

342. Evaluate the result of the following Python code?

print("abxyef".find("xy") == "xy" in "abxyef")

A. True

B. False

C. Error

D. None of the mentioned

ANSWER: B

343. Evaluate the result of the following Python code?

print("Hello {0} and {1}".format('hi', 'bye'))

A. Hello hi and bye

B. Hello {0} and {1} hi bye

C. Error

D. Hello 0 and 1

ANSWER: A

344. Evaluate the result of the following Python code snippet?

print('The sum of {0:b} and {1:x} is {2:o}'.format(12, 110, 112))

A. The sum of 12 and 110 is 112

B. The sum of 110 and a is 114

C. The sum of 110 and a is c

D. Error

ANSWER: B

345. Evaluate the result of the following Python code snippet?

print('{:,}'.format(1112223334))

A. Error

B. 111,222,333,4

C. 1112223334

D. 1,112,223,334

ANSWER: D

346. Evaluate the result of the following Python code snippet?

print('The sum of {0} and {1} is {2}'.format(20, 100, 120))

A. The sum of 20 and 100 is 120

B. Error

C. The sum of 0 and 1 is 2

D. None of the mentioned

ANSWER: A

347. Evaluate the result of the following Python code snippet?

print('b@ 1,'.islower())

A. True

B. False

C. None

D. Error

ANSWER: A

348. Evaluate the result of the following Python code snippet?

```
print('5@ a'.isprintable())
```

A. True

B. False

C. None

D. Error

ANSWER: A

349. Evaluate the result of the following Python code?

```
print('cba'.maketrans('abc', '123'))
```

A. 123

B. {65: 49, 66: 50, 67: 51}

C. 321

D. {97: 49, 98: 50, 99: 51}

ANSWER: D

350. Evaluate the result of the following Python code?

```
print('pqrstu'.partition('rs'))
```

A. (‘pq’, ‘tu’)

B. (‘pqtu’)

C. (‘pq’, ‘rs’, ‘tu’)

D. 2

ANSWER: C

351. Evaluate the result of the following Python code snippet?

```
print('ab\ncd\nef'.splitlines())
```

A. [‘ab’, ‘cd’, ‘ef\n’]

B. [‘ab\n’, ‘cd\n’, ‘ef\n’]

C. [‘ab\n’, ‘cd\n’, ‘ef’]

D. [‘ab’, ‘cd’, ‘ef’]

ANSWER: D

352. Evaluate the result of the following Python code snippet?

```
print('Cd!2'.swapcase())
```

A. CD!@

B. cd12

C. cD!2

D. error

ANSWER: C

353. Evaluate the result of the following Python code snippet?

```
print('abcd'.translate('a'.maketrans('abc', 'bcd')))
```

A. bcde

B. bcdd

C. error

D. abcd

ANSWER: B

354. Evaluate the result of the following Python code snippet?

```
print('xy'.zfill(5))
```

A. 000xy

B. 00xy0

C. 0xy00

D. xy000

ANSWER: A

355. Evaluate the result of the following Python code?

```
names1 = ['John', 'Carey', 'Christian', 'David']
names2 = names1
names3 = names1[:]
names2[0] = 'Alice'
names3[1] = 'Bob'
sum = 0
for ls in (names1, names2, names3):
    if ls[0] == 'Alice':
        sum += 1
    if ls[1] == 'Bob':
        sum += 10
print sum
```

A. 12
B. 11
C. 21
D. 22

ANSWER: A

356. Say list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after list1.extend([28, 7])?

A. [3, 4, 5, 20, 5, 25, 1, 3, 28, 7]
B. [1, 3, 3, 4, 5, 5, 20, 25, 28, 7]
C. [25, 20, 5, 5, 4, 3, 3, 1, 28, 7]
D. [1, 3, 4, 5, 20, 5, 25, 3, 28, 7]

ANSWER: A

357. Evaluate the result of the following Python code?

```
myList = [1, 3, 3, 3, 3, 1]
max = myList[0]
indexOfMax = 0
for i in range(1, len(myList)):
    if myList[i] > max:
        max = myList[i]
        indexOfMax = i
>>>print(indexOfMax)
```

A. 1
B. 2
C. 3
D. 4

ANSWER: A

358. Evaluate the result of the following Python code?

```
myList = [10, 20, 30, 40, 50, 60]
for i in range(1, 6):
    myList[i - 1] = myList[i]
for i in range(0, 6):
    print(myList[i], end = " ")
```

A. 20 30 40 50 60 10
B. 60 10 20 30 40 50
C. 20 30 40 50 60 60
D. 10 10 20 30 40 50

ANSWER: C

359. Evaluate the result of the following Python code?

```
def example(L):
    ''' (list) -> list
    '''
    i = 0
    result = []
    while i < len(L):
        result.append(L[i])
        i = i + 3
    return result
```

A. error

B. Return an empty list

C. Return a list containing every third item from L starting at index 0

D. Return a list containing the items from L starting from index 0, omitting every third item

ANSWER: C

360. Evaluate the result of the following Python code?

```
veggies = ['carrot', 'broccoli', 'potato', 'asparagus']
veggies.insert(veggies.index('broccoli'), 'celery')
print(veggies)
```

A. [‘celery’, ‘carrot’, ‘broccoli’, ‘potato’, ‘asparagus’]

B. [‘carrot’, ‘celery’, ‘potato’, ‘asparagus’]

C. [‘carrot’, ‘broccoli’, ‘celery’, ‘potato’, ‘asparagus’]

D. [‘carrot’, ‘celery’, ‘broccoli’, ‘potato’, ‘asparagus’]

ANSWER: D

361. Evaluate the result of the following Python code?

```
>>>m = [[y, y + 1, y + 2] for y in range(0, 3)]
```

A. [[1, 2, 3], [4, 5, 6], [7, 8, 9]]

B. [0, 1, 2, 1, 2, 3, 2, 3, 4]

C. [1, 2, 3, 4, 5, 6, 7, 8, 9]

D. [[0, 1, 2], [1, 2, 3], [2, 3, 4]]

ANSWER: D

362. Evaluate the result of the following Python code?

```
values = [[3, 4, 5, 1], [25, 6, 1, 2]]
v = values[0][0]
for row in range(0, len(values)):
    for column in range(0, len(values[row])):
        if v < values[row][column]:
            v = values[row][column]
print(v)
```

A. 3

B. 5

C. 6

D. 25

ANSWER: D

363. Evaluate the result of the following Python code?

```
values = [[33, 43, 53, 13 ], [333, 63, 13, 23]]
for row in values:
    row.sort()
    for element in row:
        print(element, end = " ")
    print()
```

A. The program prints two rows 33 43 53 13 followed by 333 63 13 23

B. The program prints on row 33 43 53 13 333 63 13 23

C. The program prints two rows 33 43 53 13 followed by 333 63 13 23

D. The program prints two rows 13 33 43 53 followed by 13 23 63 333

ANSWER: D

364. Evaluate the result of the following Python code?

```
import copy
a=[101,231,561,[781]]
b=copy.deepcopy(a)
a[3][0]=951
a[1]=341
print(b)
```

A. [101,341,561,[951]]
B. [101,231,561,[781]]
C. [101,231,561,[951]]
D. [101,341,561,[781]]

ANSWER: B

365. Evaluate the result of the following Python code?

```
a=[10,20,30,40]
b=[sum(a[0:x+1]) for x in range(0,len(a))]
print(b)
```

A. 100
B. [10,30,50,70]
C. 40
D. [10,30,60,100]

ANSWER: D

366. Evaluate the result of the following Python code?

```
y='hello'
z=list((x.upper(),len(x)) for x in y)
print(z)
```

A. error
B. [('HELLO', 5)]
C. [('H', 5), ('E', 5), ('L', 5), ('L', 5), ('O', 5)]
D. [('H', 1), ('E', 1), ('L', 1), ('L', 1), ('O', 1)]

ANSWER: D

367. Evaluate the result of the following Python code?

```
a=[11,21,31,41]
b=[sum(a[0:x+1]) for x in range(0,len(a))]
print(b)
```

A. 10
B. [11,31,51,71]
C. 41
D. [11,32,63,104]

ANSWER: D

368. Evaluate the result of the following Python code?

```
a=[[]]*4
a[1].append(9)
print(a)
```

A. Syntax error
B. [[9], [9], [9], [9]]
C. [[9], [], []]
D. [[],9, [], []]

ANSWER: B

369. Evaluate the result of the following Python code?

```
def unpack(a,b,c,d):
  print(a+d)
x = [12,22,32,42]
unpack(*x)
```

A. Error
B. [1,4]
C. [50]
D. 54

ANSWER: D

370. Evaluate the result of the following Python code?

```
a = [12, 52, 72, 92, 92, 12]
b=a[0]
x= 0
for x in range(1, len(a)):
   if a[x] > b:
      b = a[x]
      b= x
print(b)
```

A. 5

B. 3

C. 4

D. 0

ANSWER: A

371. Evaluate the result of the following Python code?

```
a=["Ant","Bat","Cat"]
a.sort(key=len)
print(a)
```

A. [‘Ant’, ‘Bat’, ‘Cat’]

B. [‘Bat’, ‘Ant’, ‘Cat’]

C. [‘Cat’, ‘Ant’, ‘Bat’]

D. Invalid syntax for sort()

ANSWER: A

372. Evaluate the result of the following Python code snippet?

```
x = [i**+2 for i in range(2)]; print(x);
```

A. [0, 1]

B. [1, 2]

C. error, **+ is not a valid operator

D. error, ‘;’ is not allowed

ANSWER: A

373. Evaluate the result of the following Python code snippet?

```
for x in range(3):
   if x%2==0:
      print(x)
   else:
      print(x+1)
```

A. [0, 2, 2]

B. [1, 1, 3]

C. error

D. none of the mentioned

ANSWER: C

374. Evaluate the result of the following Python code?

```
l1=[10,20,30]
l2=[40,50,60]
print([x*y for x in l1 for y in l2])
```

A. [40, 80, 120, 50, 100, 150, 60, 120, 180]

B. [400, 1000, 1800]

C. [400, 500, 600, 800, 1000, 1200, 1200, 1500, 1800]

D. [180, 120, 60, 150, 100, 50, 120, 80, 40]

ANSWER: C

375. Evaluate the result of the following Python code?

```
A = [[11, 21, 31],
    [41, 51, 61],
    [71, 81, 91]]
print([[col + 10 for col in row] for row in A])
```

A. [[21, 31, 41], [51, 61, 71], [81, 91, 101]]

B. Error

C. [11, 12, 13], [14, 15, 16], [17, 18, 19]

D. [11, 12, 13, 14, 15, 16, 17, 18, 19]

ANSWER: A

376. Evaluate the result of the following Python code?

```
a = [50,50,60,70,70,70]
b = set(a)
def test(lst):
   if lst in b:
      return 1
   else:
      return 0
for i in  filter(test, a):
   print(i,end=" ")
```

A. 50 50 60

B. 50 60 70

C. 50 50 60 70 70 70

D. 50 60 70 70 70

ANSWER: C

377. Evaluate the result of the following Python code. Suppose, "data.txt" is a file.

```
f = None
for i in range (3):
   with open("data.txt", "w") as f:
      if i > 2:
         break
print(f.closed)
```

A. Code is correct

B. Code is wrong

C. None

D. Can't say

ANSWER: A

378. Evaluate the result of the following Python code?

```
class trial:
   def __init__(self):
      pass
   def test(self):
      print(__name__)
obj1 = trial()
obj1.test()
```

A. Exception is thrown

B. __main__

C. Demo

D. test

ANSWER: B

379. Evaluate the result of the following Python code?

```
#generator
def f(y):
   yield y+1
p=f(5)
print(next(p))
```

A. 4

B. 6

C. 10

D. Error

ANSWER: B

380. Evaluate the result of the following Python code?

```
def f(y):
   for i in range(4):
      yield i
p=f(6)
print(list(p))
```

A. [0, 1, 2, 3]

B. [1, 2, 3, 4, 5, 6]

C. [1, 2, 3, 4]

D. [0, 1]

ANSWER: A

381. Evaluate the result of the following Python code?

```
def show(m):
   if m<1 or m>12:
      raise ValueError("Invalid")
   print(m)
show(5)
```

A. ValueError

B. Invalid

C. 5

D. ValueError(“Invalid”)

ANSWER: C

382. Evaluate the result of the following Python code?

```
def p(list):
   v = list[0]
   for e in list:
     if v < e: v = e
   return v
values = [[13, 14, 15, 11], [33, 16, 11, 12]]
for row in values:
   print(p(row), end = " ")
```

A. 13 33

B. 11 11

C. 15 16

D. 15 33

ANSWER: D

383. Evaluate the result of the following Python code?

```
q=[22,31,41,52]
p=list(filter(lambda x:x%2,q))
print(p)
```

A. [21,41]

B. [ ]

C. [31, 41]

D. Invalid arguments for filter function

ANSWER: C

384. Evaluate the result of the following Python code snippet?

```
st1 = ['s','f','a','e']
k = [print(i) for i in st1 if i not in "aeiou"]
print(k)
```

A. prints all the vowels in st1

B. error

C. prints all characters of st1 that aren’t vowels

D. no output

ANSWER: C

385. Evaluate the result of the following Python code snippet?

```
st1 = "evening"
p = [(i.upper(), len(i)) for i in st1]
print(p)
```

A. error

B. [('E', 1), ('V', 1), ('E', 1), ('N', 1), ('I', 1), ('N', 1), ('G', 1)]

C. [(‘EVENING’, 7)]

D. none of the mentioned

ANSWER: B

386. Identify the purpose of __str__() method in Django?

A. It will return the name of the post when Post object is printed.

B. It will display the post_heading when __str__() is called.

C. It displays a human-readable form of object.

D. None of the above

ANSWER: A

387. In the following code in Django framework, evaluate the result of variable m?

from post.models import *

m = Post.objects.filter(post_heading=”post1″)

m

A. It will print all the objects which match the heading “post1”.

B. It will print all objects.

C. It will print the first object which matched with heading “post1” in argument.

D. None of the above

ANSWER: A

388. In Post.models.filter() you can pass multiple parameters in filter() to narrow your result/s in Django.

A. False

B. True

C. Can’t say

D. None of the above

ANSWER: B

389. In Django, what effect does this parameter causes?

from post.models import *

m = Post.objects.filter(post_heading__contains=”post”)

m

A. It will throw an error as no post_heading__contains field does not exist.

B. It will search for field post_heading__contains and match value with them.

C. It will return the first object it matched the value with.

D. It will select all the posts having post in their post_heading name.

ANSWER: D

390. Identify the setting that contains the parameter of main-urls file in Django?

A. STATIC_URL

B. MAIN_URLCONF

C. ROOT_URLCONF

D. MEDIA_URL

ANSWER: C

391. Identify the use of os.path.dirname(__file__) in this method?

A. It is used to pass the value of current file in which this line is written.

B. It is passing some value defined before.

C. It is the default value and points to Django settings.py.

D. None of the above

ANSWER: A

392. Identify the type of configuration Django requires for logging?

A. Django requires a dictConfig in settings.py.

B. Django requires a configuration of handlers and loggers.

C. Django requires no configuration. Use logging by an import.

D. Logging can be directly used in each module separately.

ANSWER: A

393. Python support which type of Programming?

A. object-oriented programming

B. all of the mentioned

C. functional programming

D. structured programming

ANSWER: B

394. Identify which of the following is the correct extension of the Python file?

A. .python

B. .plt

C. .pk

D. .py

ANSWER: D

395. What will be the value of the following Python expression?

4 + 3 % 5

A. 13

B. 2

C. 4

D. 7

ANSWER: D

396. Identify which of the following is used to define a block of code in Python language?

A. Brackets

B. Key

C. Indentation

D. All of the mentioned

ANSWER: C

397. Identify which of the following character is used to give single-line comments in Python?

A. #

B. //

C. !

D. /*

ANSWER: A

398. Identify which of the following is true for variable names in Python?

A. underscore and ampersand are the only two special characters allowed

B. all private members must have leading and trailing underscores

C. unlimited length

D. none of the mentioned

ANSWER: C

399. Identify which of the following is not a core data type in Python programming?

A. Class

B. Lists

C. Tuples

D. Dictionary

ANSWER: A

400. Evaluate the result of the following Python function?

len(["hello",2, 4, 6])

A. 4

B. 6

C. Error

D. 3

ANSWER: A

401. What arithmetic operators cannot be used with strings in Python?

A. *

B. +

C. %

D. All of the mentioned

ANSWER: C

402. In Django how would you retrieve all the 'User' records from a given database?

A. User.objects.all()

B. Users.objects.all()

C. User.all_records()

D. User.object.all()

ANSWER: A

403. Identify which of the following is a Python tuple?

A. [1, 2, 3]

B. {}

C. {1, 2, 3}

D. (1, 2, 3)

ANSWER: A

404. Identify which of the following cannot be a variable?

A. xyz

B. on

C. it

D. in

ANSWER: D

405. Choose the answer to this expression, 22 % 3 is?

A. 7

B. 5

C. 0

D. 1

ANSWER: D

406. What data type is the object below?

L = [1, 23, 'hello', 1]

A. array

B. dictionary

C. list

D. tuple

ANSWER: C

407. What core data type we use in order to store values in terms of key and value.

A. dictionary

B. tuple

C. class

D. list

ANSWER: A

408. Identify what function do you use to read a string?

A. enter(“Enter a string”)

B. eval(input(“Enter a string”))

C. input(“Enter a string”)

D. eval(enter(“Enter a string”))

ANSWER: C

409. Evaluate the result of the following Python code snippet?

print('abc'.islower())

A. False

B. True

C. None

D. Error

ANSWER: B

410. Identify which of the following commands will create a list?

A. list1 = list()

B. all of the mentioned

C. list1 = list([1, 2, 3])

D. list1 = []

ANSWER: B

411. Say listExample is [‘h’,’e’,’l’,’l’,’o’], what is len(listExample)?

A. 4

B. 5

C. None

D. Error

ANSWER: B

412. Evaluate the result of the following Python code?

```
d = {"john":40, "peter":45}
d["john"]
```

A. “peter”

B. 45

C. “john”

D. 40

ANSWER: D

413. Evaluate the result of the following Python code?

```
>>>t = (1, 2)
>>>2 * t
```

A. [1, 1, 2, 2]

B. [1, 2, 1, 2]

C. (1, 1, 2, 2)

D. (1, 2, 1, 2)

ANSWER: D

414. Identify which of the following statements is used to create an empty set?

A. { }

B. set()

C. [ ]

D. ( )

ANSWER: B

415. Identify which of the following statements create a dictionary?

A. All of the mentioned

B. d = {“john”:40, “peter”:45}

C. d = {40:”john”, 45:”peter”}

D. d = {}

ANSWER: A

416. Identify which of these about a dictionary is false?

A. The values of a dictionary can be accessed using keys

B. Dictionaries are mutable

C. Dictionaries aren’t ordered

D. The keys of a dictionary can be accessed using values

ANSWER: D

417. Identify which keyword is used for function?

A. def

B. Define

C. Fun

D. Function

ANSWER: A

418. Identify which of the following best describes inheritance?

A. Focuses on variables and passing of variables to functions

B. Means of bundling instance variables and methods in order to restrict access to certain class members

C. Ability of a class to derive members of another class as a part of its own definition

D. Allows for implementation of elegant software that is well designed and easily modified

ANSWER: C

419. When is the finally block executed?

A. when there is no exception

B. always

C. only if some condition that has been specified is satisfied

D. when there is an exception

ANSWER: B

420. What does {{ name }} this mean in Django Templates?

A. It will be displayed as name in HTML.

B. None of the above

C. {{ name }} will be the output.

D. The name will be replaced with values of Python variable.

ANSWER: D

421. Django is a type of?

A. Software

B. None

C. Programming Language

D. Web Framework

ANSWER: D

422. Flask is a?

A. peraframework

B. miniframework

C. microframework

D. nanoframework

ANSWER: C

423. Identify which of the following is the use of id() function in python?

A. Every object doesn't have a unique id

B. None of the mentioned

C. All of the mentioned

D. Id returns the identity of the object

ANSWER: D

424. Evaluate the result of the following Python code?

```
>>>list1 = [1, 3]
>>>list2 = list1
>>>list1[0] = 4
>>>print(list2)
```

A. [4, 3]

B. [1, 3, 4]

C. [1, 4]

D. [1, 3]

ANSWER: A

425. Identify which one of the following is the use of function in python?

A. Functions are reusable pieces of programs

B. you can't also create your own functions

C. Functions don't provide better modularity for your application

D. All of the mentioned

ANSWER: A

426. Identify what error occurs when you execute the following Python code snippet?

```
apple = mango
```

A. SyntaxError

B. TypeError

C. ValueError

D. NameError

ANSWER: D

427. Evaluate the result of the following Python code snippet?

```
not(11<21) and not(11>31)
```

A. True

B. False

C. Error

D. No output

ANSWER: B

428. Evaluate the result of the following Python code?

```
x = ['abc', 'cde']
for i in x:
   i.upper()
print(x)
```

A. [‘abc’, ‘cde’]

B. [‘ABC’, ‘CDE’]

C. [None, None]

D. none of the mentioned

ANSWER: A

429. Evaluate the result of the following Python statement?

```
>>>"efgh"[2:]
```

A. e

B. ef

C. gh

D. hg

ANSWER: C

430. Evaluate the result of the following Python code?

```
>>> str1 = 'hello'
>>> str2 = ','
>>> str3 = 'world'
>>> str1[-1:]
```

A. olleh

B. hello

C. o

D. h

ANSWER: C

431. Evaluate the result of the following Python code?

```
>>>print (r"\nhi")
```

A. a new line and hi

B. \nhi

C. the letter r and then hi

D. error

ANSWER: B

432. What is “Hello”.replace(“l”, “e”)?

A. None

B. Heelo

C. Heleo

D. Heeeo

ANSWER: D

433. Evaluate the result of the following Python code snippet?

```
print('abcdef12'.replace('cd', '12'))
```

A. none of the mentioned

B. abcdef12

C. ab12efcd

D. ab12ef12

ANSWER: D

434. Say list1 is [2, 33, 222, 14, 71], What is list1[-1]?

A. Error

B. None

C. 71

D. 2

ANSWER: C

435. Evaluate the result of the following Python code?

```
>>>list1 = [12, 3, 24]
>>>list2 = [12, 3, 3]
>>>list1 < list2
```

A. True

B. False

C. Error

D. None

ANSWER: B

436. Evaluate the result of the following Python code?

```
>>>list1 = [1, 3]
>>>list2 = list1
>>>list1[0] = 5
>>>print(list2)
```

A. [1, 3]

B. [5, 3]

C. [1, 5]

D. [1, 3, 5]

ANSWER: B

437. Evaluate the result of the following Python code?

```
def f(values):
   values[0] = 61
v = [1, 2, 3]
f(v)
print(v)
```

A. [1, 61]

B. [1, 2, 3, 61]

C. [61, 2, 3]

D. [1, 2, 3]

ANSWER: C

438. Evaluate the result of the following Python code?

```
numbers = [9, 10, 11, 12]
numbers.append([5,6,7,8])
print(len(numbers))
```

A. 4

B. 5

C. 8

D. 12

ANSWER: B

439. Say t = (1, 2, 4, 3), which of the following is wrong?

A. print(t[3])

B. t[5] = 94

C. print(max(t))

D. print(len(t))

ANSWER: B

440. Evaluate the result of the following Python code?

```
>>>t=(1,21,41,3)
>>>t[1:-1]
```

A. (1, 21)

B. (1, 21, 41)

C. (21, 41)

D. (21, 41, 3)

ANSWER: C

441. Is the following Python code valid?

```
>>> a=(10,20,30,40)
>>> del a
```

A. No because tuple is immutable

B. Yes, first element in the tuple is deleted

C. Yes, the entire tuple is deleted

D. No, invalid syntax for del method

ANSWER: C

442. If a={5,6,7,8}, which of the following statements is false?

A. print(len(a))

B. print(min(a))

C. a.remove(5)

D. a[22]=39

ANSWER: D

443. If a={5,6,7}, what happens when a.add(5) is executed?

A. a={5,5,6,7}

B. Error as 5 already exists in the set

C. Error as there is no add function for set data type

D. a={5,6,7}

ANSWER: D

444. Evaluate the result of the following Python code?

>>> s={52,62}

>>> s*3

A. Error as unsupported operand type for set data type

B. {52,62,52,62,52,62}

C. {52,62}

D. Error as multiplication creates duplicate elements which isn't allowed

ANSWER: A

445. Evaluate the result of the following Python code?

>>> a={4,6,7}

>>> sum(a,5)

A. 5

B. 22

C. 18

D. Invalid syntax for sum method, too many arguments

ANSWER: B

446. Evaluate the result of the following Python code?

>>> a={51,61,71,81}

>>> b={71,81,91,101}

>>> len(a+b)

A. 8

B. Error, unsupported operand '+' for sets

C. 6

D. Nothing is displayed

ANSWER: B

447. Say d = {"sam":40, "peter":45}, to delete the entry for "sam" what command do we use?

A. d.delete("sam":40)

B. d.delete("sam")

C. del d["sam"]

D. del d("sam":40)

ANSWER: C

448. Say d = {"sam":40, "peter":45}. To obtain the number of entries in dictionary which command do we use?

A. d.size()

B. len(d)

C. size(d)

D. d.len()

ANSWER: B

449. What type of inheritance is illustrated in the following Python code?

```
class D():
  pass
class E():
  pass
class F(D,E):
  pass
```

A. Multi-level inheritance

B. Multiple inheritance

C. Hierarchical inheritance

D. Single-level inheritance

ANSWER: B

450. Which of the following is not a standard exception in Python?

A. NameError

B. IOError

C. ArrayAssignmentError

D. ValueError

ANSWER: C

451. What does {% include %} does?

A. None of the above

B. It will include content from another template having the same templates defined.

C. It is the same as {% extend %}.

D. It will include another template.

ANSWER: D

452. Which method is used instead of path() in urls.py to pass in regular expressions as routes in Django?

A. static()

B. url()

C. include()

D. re_path()

ANSWER: B

453. What is the purpose of settings.py in Django?

A. To configure settings for the Django project

B. To set the date and time on the server

C. To configure settings for an app

D. To sync the database schema

ANSWER: A

454. Identify which of the following will run without errors?

A. round(35.7)

B. round(1234.898,2,5)

C. round()

D. round(5678.123,2,1)

ANSWER: A

455. Evaluate the result of the following Python code?

```
d = {0: 'd', 1: 'e', 2: 'f'}
for x in d.keys():
    print(d[x])
```

A. 0 1 2

B. d e f

C. 0 d 1 e 2 f

D. none of the mentioned

ANSWER: B

456. Evaluate the result of the following Python code?

```
d = {0, 4, 5}
for x in d.values():
    print(x)
```

A. 0 4 5

B. None None None

C. error

D. none of the mentioned

ANSWER: C

457. Evaluate the result of the following Python code?

```
d = {3, 4, 5}
for x in d:
    print(d.add(x))
```

A. 3 4 5

B. 3 4 5 3 4 5 3 4 5 …

C. None None None

D. None of the mentioned

ANSWER: C

458. Evaluate the result of the following Python code?

```
x = (i for i in range(4))
for i in x:
   print(i)
```

A. 0 1 2 3

B. error

C. 0 1 2 0 1 2

D. none of the mentioned

ANSWER: A

459. Evaluate the result of the following Python code snippet?

```
a = [0, 1, 2, 3]
for a[-1] in a:
   print(a[-1])
```

A. 3 2 1 0

B. error

C. 3 3 3 3

D. 0 1 2 2

ANSWER: D

460. Evaluate the result of the following Python code?

```
>>>names = ['Anthony', 'Bill', 'Charlie', 'Saman']
>>>print(names[-1][-1])
```

A. A

B. Saman

C. Error

D. n

ANSWER: D

461. Say list1 = [0.5 * z for z in range(0, 4)], list1 is:

A. [0, 1, 2, 3]

B. [0, 1, 2, 3, 4]

C. [0.0, 0.5, 1.0, 1.5, 2.0]

D. [0.0, 0.5, 1.0, 1.5]

ANSWER: D

462. Evaluate the result of the following Python code?

```
names1 = ['Amir', 'Bala', 'Marlie']
names2 = [name.lower() for name in names1]
print(names2[2][0])
```

A. None

B. a

C. b

D. m

ANSWER: D

463. How many elements are in m?

```
m = [[a, b] for a in range(0, 4) for b in range(0, 4)]
```

A. 8

B. 12

C. 16

D. 32

ANSWER: C

464. Identify the true statement.

A. When you open a file for reading, if the file does not exist, an error occurs

B. When you open a file for writing, if the file does not exist, a new file is created

C. All of the mentioned

D. When you open a file for writing, if the file exists, the existing file is overwritten with the new file

ANSWER: C

465. To read three characters from a file object infile, we use _____

A. infile.read(3)

B. infile.read()

C. infile.readline()

D. infile.readlines()

ANSWER: A

466. Identify the use of tell() method in python?

A. file is opened or not

B. end position within the file

C. current position within the file

D. none of the mentioned

ANSWER: A

467. Identify the use of seek() method in files?

A. sets the file's current position within the file

B. sets the file's previous position at the offset

C. sets the file's current position at the offset

D. none of the mentioned

ANSWER: C

468. In Django, What is Post.objects.all() is used for?

A. Post object will bring objects from database with SQL Query: Select *.

B. It is used to create a new Post object m.

C. It is used to bring all the objects stored in Post table.

D. None of the above

ANSWER: C

469. What happens when '2' == 2 is executed?

A. we get a True

B. we get a False

C. an TypeError occurs

D. a ValueError occurs

ANSWER: B

470. Evaluate the result of the following Python code?

```
matrix = [[1, 21, 3, 4],
    [4, 51, 6, 7],
    [8, 91, 10, 11],
    [12, 131, 14, 15]]
for i in range(0, 4):
  print(matrix[i][1], end = " ")
```

A. 1 2 3 4

B. 4 5 6 7

C. 1 3 8 12

D. 21 51 91 131

ANSWER: D

471. Evaluate the result of the following Python expression?

```
float(3+int(2.39)%2)
```

A. 5.0

B. 5

C. 3.0

D. 4

ANSWER: C

472. Evaluate the result of the following Python code snippet?

```
for i in [5, 6, 7, 8][::-1]:
  print(i, end=' ')
```

A. 5 6 7 8

B. 8 7 6 5

C. error

D. none of the mentioned

ANSWER: B

473. Suppose list1 is [5, 3, 4], What is list1 * 2?

A. [2, 6, 4]

B. [5, 3, 2, 1, 3]

C. [5, 3, 4, 5, 3, 4]

D. [5, 3, 2, 3, 2, 1]

ANSWER: C

474. Suppose list1 is [1, 7, 5, 28, 5], what is list1.index(5)?

A. 0

B. 1

C. 4

D. 2

ANSWER: D

475. Suppose list1 is [9, 4, 8, 20, 8, 25, 1, 3], what is list1.count(5)?

A. 0

B. 4

C. 1

D. 2

ANSWER: D

476. Evaluate the result of the following Python code?

>>>"Welcome to ADIT".split()

A. [“Welcome”, “to”, “ADIT”]

B. (“Welcome”, “to”, “ADIT”)

C. {“Welcome”, “to”, “ADIT”}

D. “Welcome”, “to”, “ADIT”

ANSWER: A

477. Evaluate the result of the following Python code?

>>>list("r#s#t#u".split('#'))

A. ['r', 's', 't', 'u']

B. ['r s t u']

C. ['r#s#t#u']

D. ['rstu']

ANSWER: A

478. Identify which of the following the “in” operator can be used to check if an item is in it?

A. Lists

B. Dictionary

C. All of the mentioned

D. Set

ANSWER: C

479. Evaluate the result of the following Python code?

```
list1 = [21, 22, 23, 24]
list2 = [35, 36, 37, 38]
print(len(list1 + list2))
```

A. 2

B. 4

C. 5

D. 8

ANSWER: D

480. Evaluate the result of the following Python code?

```
A = [[1, 2, 3],
     [6, 5, 4],
     [7, 8, 9]]
A[1]
```

A. [6, 5, 4]

B. [3, 6, 9]

C. [1, 4, 7]

D. [1, 2, 3]

ANSWER: A

481. Which of the following Python statements will result in the output: 11?

```
A = [[1, 2, 3],
     [4, 5, 11],
    [7, 8, 9]]
```

A. A[2][3]

B. A[2][1]

C. A[1][2]

D. A[3][2]

ANSWER: C

482. Identify which of the following is a Python tuple?

A. [1, 2, 3]

B. (4, 5, 6)

C. {1, 2, 3}

D. {}

ANSWER: B

483. Identify which of these about a set is not true?

A. Mutable data type

B. Does not allow duplicate values

C. Immutable data type

D. Data type with unordered values

ANSWER: D

484. Evaluate the result of the following Python code?

>>> a={1,2}

>>> b={1,2,4,5}

>>> a<b

A. {1,2}

B. True

C. False

D. Invalid operation

ANSWER: B

485. Evaluate the result of the following Python code?

>>> a={2,3,4,5}

>>> b={4,5,3,2}

>>> a==b

A. True

B. False

C. Error

D. No output

ANSWER: A

486. Evaluate the result of the following Python code?

>>> a={1,2,8}

>>> b=a

>>> b.remove(8)

>>> a

A. {1,2,3}

B. Error, copying of sets isn't allowed

C. {1,2}

D. Error, invalid syntax for remove

ANSWER: C

487. Evaluate the result of the following Python code snippet?

x = {"john":30, "peter":35}

print(x)

A. "john", 30, "peter", 35

B. {'john': 30, 'peter': 35}

C. 30 and 35

D. d = (30:"john", 35:"peter")

ANSWER: B

488. Identify which of the following is not a valid namespace?

A. Global namespace

B. Local namespace

C. Built-in namespace

D. Public namespace

ANSWER: D

489. What is returned by math.ceil(4.4)?

A. 3

B. 5

C. 4.0

D. 3.0

ANSWER: B

490. Evaluate the result of y if y = math.factorial(0)?

A. 0

B. 1

C. error

D. none of the mentioned

ANSWER: B

491. In python, the readlines() method returns _____

A. str

B. a list of integers

C. a list of single characters

D. a list of lines

ANSWER: D

492. Identify the two built-in functions to read a line of text from standard input, which by default comes from the keyboard?

A. Scan & Scanner

B. Input & Scan

C. Raw_input & Input

D. Scanner

ANSWER: C