

Started on Thursday, 14 March 2024, 10:55 AM

State Finished

Completed on Thursday, 14 March 2024, 11:14 AM

Time taken 18 mins 15 secs

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out
of 1.00

What will be the output of the following code snippet?

a = 3

b = 1

print(a, b)

a, b = b, a

print(a, b)

a. 3 1 ✓

1 3

b. 1 3

3 1

c. No output

d. 3 1

3 1

Your answer is correct.

The correct answer is:

3 1

1 3

Question 2

Correct

Mark 1.00 out
of 1.00

Type the code to get float input from the keyboard. (No need to assign to a variable)

Answer:



The correct answer is: float(input())

Question 3

Correct

Mark 1.00 out
of 1.00

Which of the following declarations is incorrect in python language?

- a. `x y z p = 5000 6000 7000 8000`
- b. `x,y,z,p = 5000, 6000, 7000, 8000` ✓
- c. `xyzp = 5,000,000`
- d. `x_y_z_p = 5,000,000`

Question 4

Correct

Mark 1.00 out
of 1.00Which of the following [functions](#) is a built-in function in python language?

- a. `printf()`
- b. `scanf()`
- c. `val()`
- d. `print()` ✓

Your answer is correct.

The correct answer is:

`print()`**Question 5**

Correct

Mark 1.00 out
of 1.00

What do we use to define a block of code in Python language?

- a. Parenthesis
- b. Indentation ✓
- c. Key
- d. Curly brace

Your answer is correct.

The correct answer is:

Indentation

Question 6

Correct

Mark 1.00 out
of 1.00

What will be the output of the following python Code-

```
mystring="India is my country"
```

```
print(type(mystring))
```

- a. 'str'
- b. class str
- c. <class 'str'> ✓
- d. str

Your answer is correct.

The correct answer is:

<class 'str'>

Question 7

Correct

Mark 1.00 out
of 1.00

Who developed the Python language?

- a. Guido Van Rossum ✓
- b. Von Neumann
- c. Dennis Ritchie
- d. Bill Gates

Your answer is correct.

The correct answer is:

Guido Van Rossum

Question 8

Correct

Mark 1.00 out
of 1.00

What will be the output of the following code snippet?

```
print(type(5 / 2))
```

- a. obj
- b. float ✓
- c. int
- d. str

Your answer is correct.

The correct answer is:

float

Question 9

Correct

Mark 1.00 out
of 1.00

What will be the datatype of the var in the below code snippet?

```
var = 10
print(type(var))

var = "Hello"
print(type(var))
```

- a. int and int
- b. int and str ✓
- c. float and str
- d. No output

Your answer is correct.

The correct answer is:

int and str

Question 10

Correct

Mark 1.00 out
of 1.00

Which one of the following is the correct extension of the Python file?

- a. .p
- b. .cpp
- c. .python
- d. .py ✓

Your answer is correct.

The correct answer is:

.py

[◀ Basics of Python](#)[Jump to...](#)[Week1_Coding ▶](#)

Started on Thursday, 21 March 2024, 10:49 AM

State Finished

Completed on Thursday, 21 March 2024, 10:51 AM

Time taken 2 mins 11 secs

Grade 15.00 out of 15.00 (100%)

Question 1

Correct

Mark 1.00 out
of 1.00

In the Python statement `x = a + 6 - c-d`:

- a and b are _____
- `a + 6 - c-d` is _____

- a. operands, an expression ✓
- b. [operators](#), a statement
- c. operands, an equation
- d. terms, a group

Question 2

Correct

Mark 1.00 out
of 1.00

What is the output of the following code

`x = 4`

`y = 10`

`print(x % y)`

- a. 4 ✓
- b. 6
- c. 10
- d. 1

Your answer is correct.

The correct answer is:

4

Question 3

Correct

Mark 1.00 out
of 1.00

What is the value of the expression

`print(100 / 25)``print(100//25)`

- a. 4.0
4.00
- b. 4
4
- c. 4.0
4.0
- d. 4.0 ✓
4

Your answer is correct.

The correct answer is:

4.0

4

Question 4

Correct

Mark 1.00 out
of 1.00**What is the output of the following code**

```
x = 5  
y = 3  
print(x == y)
```

- a. False ✓
- b. Error
- c. True
- d. 5==3

Your answer is correct.

The correct answer is:

False

Question 5

Correct

Mark 1.00 out
of 1.00

An identifier can have a maximum length of ----- characters in Python.

- a. 31
- b. 7
- c. 79 ✓
- d. 50

Question 6

Correct

Mark 1.00 out
of 1.00

What will be the output of statement `2**2**2**2`

- a. 16
- b. 65536 ✓
- c. 256
- d. 32768

Your answer is correct.

The correct answer is:

65536

Question 7

Correct

Mark 1.00 out
of 1.00

What is the output of the following assignment operator?

`y = 10`

`x = y += 2`

`print(x)`

- a. Syntax Error ✓
- b. 14
- c. 12
- d. 10

Your answer is correct.

The correct answer is:

Syntax Error

Question 8

Correct

Mark 1.00 out
of 1.00**What will be the output of the following statement?**`print(15 + 20 / 5 + 3 * 2 - 1)`

- a. 12
- b. 19.0
- c. 24.0 ✓
- d. 19

Your answer is correct.

The correct answer is:

24.0

Question 9

Correct

Mark 1.00 out
of 1.00**What is the output of the following code**

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

- a. 64 ✓
4
- b. 64
0
- c. 64
8
4
- d. 0
64

Your answer is correct.

The correct answer is:

64

4

Question 11

Correct

Mark 1.00 out
of 1.00

What is the output of the following code

```
x = ["apple", "banana"]  
y = ["apple", "banana"]  
  
z = x  
  
print(x is z)  
print(x is y)  
print(x == y)
```

- a. **True**
False
False
- b. **True**
True
True
- c. **True ✓**
False
True
- d. **False**
False
True

Your answer is correct.

The correct answer is:

True
False
True

Question **10**

Correct

Mark 1.00 out
of 1.00

What is the output of the following code

```
x = 1j  
#display x:  
print(x)  
  
#display the data type of x:  
print(type(x))
```

- a. **1j.0**
<class 'float'>
- b. **1j**
<class 'object'>
- c. **1**
<class 'int'>
- d. **1j** ✓
<class 'complex'>

Your answer is correct.

The correct answer is:

1j
<class 'complex'>

Question 12

Correct

Mark 1.00 out
of 1.00

What is the output of the following code

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

- a.
 - True True False True
- b.
 - False True True True ✓
- c.
 - True True False True
- d.
 - False True False True

Your answer is correct.

The correct answer is:

- False True True True

Question **13**

Correct

Mark 1.00 out
of 1.00

What is the order of precedence in python?

1. Multiplication
2. Division
3. Parentheses
4. Addition
5. Exponentiation

a. **1,2,3,4,5**

b. **3,1,2,4,5**

c. **1,5,2,4,3**

3,1,2,4,5

d. **3,5,1,2,4** ✓

Your answer is correct.

The correct answer is:

3,5,1,2,4

Question 14

Correct

Mark 1.00 out
of 1.00**Which of the following statements assigns the value 35 to the variable x in Python:**

a. `int x = 35`

b. `x ← 35`

c. `x := 35`

d. `x = 35 ✓`

Your answer is correct.

The correct answer is:

`x = 35`**Question 15**

Correct

Mark 1.00 out
of 1.00**What is the output of the following expression?**`z=2``z**=3``print(z)`

a. Error

b. 0

c. 3

d. 8 ✓

Your answer is correct.

The correct answer is:

8

Started on Wednesday, 3 April 2024, 6:16 PM

State Finished

Completed on Wednesday, 3 April 2024, 6:46 PM

Time taken 30 mins

Grade 7.00 out of 15.00 (46.67%)

Question 1

Correct

Mark 1.00 out
of 1.00

Leading whitespace (spaces and tabs) at the beginning of a statement is called _____.

- a. **None of the above**
- b. **indentation ✓**
- c. **orientation**
- d. **Iteration**

Your answer is correct.

The correct answer is:

indentation

Question 2

Correct

Mark 1.00 out
of 1.00

What is the output of the following snippet?

```
s1 = "IIT " # Remember there is a space after T in IIT
s2 = "Punjab"
s1 = s1 * 2
s2 = "Ropar"
print(s1, s2)
```

- a. **IIT IIT Ropar ✓**
- b. **IIT IIT Punjab**
- c. **IIT Punjab**
- d. **IIT Ropar**

Your answer is correct.

The correct answer is:

IIT IIT Ropar

Question 3

Correct

Mark 1.00 out
of 1.00**What is the output of the given below program?**

```
a = 25
if a > 15:
    print("Hi")
if a <= 30:
    print("Hello")
else:
    print("Know Program")
```

- a. Hi
Know Program
- b. Hello
Know Program
- c. Hi ✓
Hello
- d. Hello

Question 4

Correct

Mark 1.00 out
of 1.00**What is the output of the given below program?**

```
if 1 + 3 == 7:
    print("Hello")
else:
    print("Know Program")
```

- a. Know Program ✓
- b. Hello
- c. Compiled Successfully, No Output
- d. Error

Your answer is correct.

The correct answer is:
Know Program

Question 5

Correct

Mark 1.00 out
of 1.00

To write else statement in if-elif ladder is mandatory?

- a. False ✓
- b. True

Question 6

Incorrect

Mark 0.00 out
of 1.00

```
if(x=-1):  
    print("present")  
else:  
    print("absent")
```

- a. absent
- b. compilation error ✗
- c. present
- d. Runtime Error

Your answer is incorrect.

The correct answer is:
present**Question 7**

Correct

Mark 1.00 out
of 1.00

Which of the following statements correctly represents taking input from user in python?

- a. a=input("Enter the value") ✓
- b. None of the mentioned
- c. a=inp("Enter the value")
- d. a=get("Enter the value")

Your answer is correct.

The correct answer is:
`a=input("Enter the value")`

Question 8

Incorrect

Mark 0.00 out
of 1.00

Which of the following is true about the code below?

```
x = 3
if (x > 2):
    x = x * 2;
if (x > 4):
    x = 0;
print(x)
```

- a. if x is greater than 2, x will equal 0 after this code executes
- b. x will always equal 0 after this code executes for any value of x
- c. if x is lesser than 0,x will be 0 after this code executes ✗
- d. if x is greater than 2, the value in x will be doubled after this code executes

Question 9

Correct

Mark 1.00 out
of 1.00

What is the output when the following sequence of instructions is carried out in the console?

```
a = 1;a = a + 1;a = a + 2;a = a + 3;print(a)
```

- a. 7 ✓
- b. 6
- c. 4
- d. 5

Your answer is correct.

The correct answer is:

7

Question 10

Incorrect

Mark 0.00 out
of 1.00

What should be the value of num1 and num2 to get the output as "1"?

```
if((num1/num2==5) and (num1+num2)>5):  
    print("1")  
elif((num1-num2)<=1 or (num1%num2)==0):  
    print("2")  
else:  
    print("3")
```

- a. num1=11, num2=2
- b. num1=5, num2=1
- c. num1=0, num2=5 ✘
- d. num1=-10,num2=2

Question 11

Not answered

Marked out of
1.00

```
if true:  
    print("Hello World")
```

- a. Name Error
- b. Hello World
- c. No output

Your answer is incorrect.

The correct answer is:

Name Error

Question 12

Not answered

Marked out of
1.00

What does the arithmetic operator % do?

- a. Finds the remainder on dividing two numbers
- b. Finds the sum of two numbers
- c. Finds the product of two numbers
- d. Finds the quotient on dividing two numbers

Your answer is incorrect.

The correct answer is:

Finds the remainder on dividing two numbers

Question 13

Not answered

Marked out of
1.00

Given the nested `if-else` below, what will be the value `x` when the code executed successfully

`x = 0``a = 5``b = 5``if a > 0:` `if b < 0:` `x = x + 5` `elif a > 5:` `x = x + 4` `else:` `x = x + 3``else:` `x = x + 2``print(x)`

- a. 2
- b. 3
- c. 4
- d. 0

Your answer is incorrect.

The correct answer is:

3

Question 14

Not answered

Marked out of
1.00

With what extension are the python [files](#) saved?

- a. .p
- b. .python
- c. .py
- d. .pyn

Your answer is incorrect.

The correct answer is:

.py

Question 15

Not answered

Marked out of
1.00

What is the output of the following snippet if 5 is given as the input?

```
c = input("Enter a number: ")  
print(c * 3)
```

- a. 8
- b. 2
- c. 555
- d. 15

Your answer is incorrect.

The correct answer is:

555

[◀ Selection control structures](#)

Jump to...

[Week3_coding ►](#)

Started on Tuesday, 28 May 2024, 7:22 PM

State Finished

Completed on Tuesday, 28 May 2024, 7:25 PM

Time taken 2 mins 33 secs

Question 1

Complete

Predict the output of the program?

```
for x in range(4):
    if x == 3: break
        print(x)
    else:
        print("Finally finished!")
```

- a. Finally Finished!

- b. 0

1

2

3

Finally Finished!

- c. 0

1

2

3

- d. 0

1

2

Question 2

Complete

Which of the following is a loop in python?

- a. For

- b. Break

- c. Do-While

- d. If-Else

Question 3

Complete

Predict the output of the following

```
i = 2
while i < 4:
    print(i)
    i += 1
```

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

Question 4

Complete

For loop in python is

- a. Multi Control Loop
- b. Exit Control Loop
- c. Simple Loop
- d. Entry Control Loop

Question 5

Complete

Predict the output of the program?

```
for x in range(4):
    if x == 3: break
        print(x)
    else:
        print("Finally finished!")
```

- a. 0
1
2
3
Finally Finished!
- b. Finally Finished!
- c. 0
1
2
3
- d. 0
1
2

Question 6

Complete

```
i = 1
while i < 4:
    print(i)
    if (i == 2):
        break
```

```
i += 1
Predict the output of the following?
```

- a. 1 2 3 4
- b. 1 2
- c. Compiler Error
- d. 2 3 4

Question 7

Complete

The range() function returns a

- a. sequence of [set](#)
- b. sequence of bytes
- c. sequence of lists
- d. sequence of numbers

Question 8

Complete

```
Predict the output of the following
```

```
i = 2
while i < 4:
    print(i)
    i += 1
```

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

Question 9

Complete

Which of the following is a loop in python?

- a. Do-While
- b. Break
- c. If-Else
- d. For

Question 10

Complete

How many times it will print the statement?

```
for i in range(102):
    print(i)
```

Answer:

Question 11

Complete

```
i = 1
while i < 4:
    print(i)
    if (i == 2):
        break
```

```
i += 1
Predict the output of the following?
```

- a. 2 3 4
- b. 1 2
- c. Compiler Error
- d. 1 2 3 4

Question 12

Complete

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

```
What is the output of the following?
```

- a. **No output**
- b. **False**
- c. **True**
- d. **Syntax Error**

Question 13

Complete

```
i = 0
while i <3 :
    print(i)
    i += 1
    if i == 2:
        continue
    else:
        print(0)
```

What is the output of the following?

a. 0

0

1

1

0

b. 0

0

1

2

0

c. 0

1

1

1

0

d. 0

1

2

0

Question 14

Complete

```
numbers = (8, 9, 11, 20)
a = 1
for num in numbers:
    a = a * num
print(a)
```

Predict the output of the program?

Answer:

Question 15

Complete

For loop in python is

a. Simple Loop

b. Entry Control Loop

c. Multi Control Loop

d. Exit Control Loop

Started on Tuesday, 28 May 2024, 7:25 PM

State Finished

Completed on Tuesday, 28 May 2024, 7:39 PM

Time taken 13 mins 17 secs

Grade 3.00 out of 15.00 (20%)

Question 1

Incorrect

Mark 0.00 out
of 1.00

What will be the output of the following code?

a = '2'

b = '1'

print(a+b)

Answer: 3



Question 2

Correct

Mark 1.00 out
of 1.00

What is the output of the following code?

str1="vijay"

for i in str1:

 print(i, end="")

- a. None of the above
- b. vijay ✓
- c. No output
- d. 01234

Your answer is correct.

The correct answer is:

vijay

Question 3

Incorrect

Mark 0.00 out
of 1.00

What will following Python code return?

```
str1="Stack of books"
print(len(str1))
```

- a. 15 ✗
- b. 13
- c. 16
- d. 14

Your answer is incorrect.

The correct answer is:

14

Question 4

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following Code?

```
print(chr(70))
```

Answer: no



The correct answer is: F

Question 5

Correct

Mark 1.00 out
of 1.00

What is the output of the following Code?

```
str1="vijay"
print(str1.capitalize())
```

Answer: vijay



The correct answer is: Vijay

Question 6

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following code?

```
line = "I'll come by then."
eline = ""
for i in line:
    eline += chr(ord(i)+3)
print(eline)
```

- a. L*oo#frph#e|#wkhq1
- b. L*oo frph e| wkhq1 ✘
- c. I*oo@frph@e|\$wkhq1
- d. O*oo#Frph#E|#wKhq1

Your answer is incorrect.

The correct answer is:

L*oo#frph#e|#wkhq1

Question 7

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following code?

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

- a. aB1@
- b. ab12
- c. AB!@ ✘
- d. aB!2

Your answer is incorrect.

The correct answer is:

aB!2

Question 8

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following code?

```
my_string = 'arvijayakumar'
for i in range(my_string):
    print(i)
```

- a. arvijayakumar
- b. None ✘
- c. 0 1 2 3 ... 12
1.
- d. Error

Your answer is incorrect.

The correct answer is:

Error

Question 9

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following code?

```
str1="vijay"  
for i in range(len(str1),6):  
    print(i)
```

- a. None of the above
- b. 5
- c. vijay X
- d. y

Your answer is incorrect.

The correct answer is:

5

Question 10

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following?

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

- a. 0 1 2 3 0
- b. 0 1 2 X
- c. Error
- d. 0 1 2 0

Your answer is incorrect.

The correct answer is:

0 1 2 0

Question 11

Correct

Mark 1.00 out
of 1.00

What will be the output of below Python code?

```
str1="Information"
print(str1[2:8])
```

Answer: format



Concept of slicing is used in this question. In string slicing, the output is the substring starting from the first given index position i.e. 2 to one less than the second given index position i.e. (8-1=7) of the given string str1. Hence, the output will be "format".

The correct answer is: format

Question 12

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following code?

```
line = "What will have so will"
L = line.split('a')
for i in L:
    print(i, end=' ')
```

- a. Wh t will h ve so will
- b. ['Wh', 't will h', 've so will']
- c. What will have so will X
- d. ['What', 'will', 'have', 'so', 'will']

Your answer is incorrect.

The correct answer is:

Wh t will h ve so will

Question 13

Incorrect

Mark 0.00 out
of 1.00

Which of the following will give "Vijay" as output?

```
str1="John,Vijay,Aryan"
```

- a. print(str1[-11:-7]) X
- b. print(str1[-7:-11])
- c. print(str1[-7:-12])
- d. print(str1[-11:-6])

Your answer is incorrect.

The correct answer is:

print(str1[-11:-6])

Question 14

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following code ?

```
a = '''A
B
C'''
print(a)
```

- a. **A**
BC
- b. **A**
B
C
- c. **ABC** X
- d. **Error**

Your answer is incorrect.

The correct answer is:

A
B
C**Question 15**

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following Code?

```
str1="6/4"
print("str1")
```

Answer: **str** X

The correct answer is: str1

[◀ Strings](#)[Jump to...](#)[Week5_Coding ▶](#)

Started on Tuesday, 28 May 2024, 7:40 PM

State Finished

Completed on Tuesday, 28 May 2024, 8:09 PM

Time taken 29 mins 27 secs

Grade 8.00 out of 15.00 (53.33%)

Question 1

Correct

Mark 1.00 out
of 1.00

Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after list1.reverse()?

- a. [3, 4, 5, 20, 5, 25, 1, 3]
- b. [3, 1, 25, 5, 20, 5, 4, 3] ✓
- c. [1, 3, 3, 4, 5, 5, 20, 25]

Your answer is correct.

The correct answer is:

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

Question 2

Correct

Mark 1.00 out
of 1.00

Find the Output?

list1 = [1, 2, 3, 4, 1, 2, 3, 1]

print(list1[5:20])

- a. [1, 2, 3, 4, 1, 2, 3, 1]
- b. [1, 2, 3, 1]
- c. Error
- d. [2, 3, 1] ✓

Your answer is correct.

The correct answer is:

[2, 3, 1]

Question 3

Incorrect

Mark 0.00 out
of 1.00

Write the output of the following :

```
D = [1,2,3]
D1 = D
D.append(4)
print(D1)
```

Answer: [1,2,3,4]

**Question 4**

Correct

Mark 1.00 out
of 1.00

Find the output?

```
list1 = [1, 2, 3, 4, 1, 2, 3]
list1.sort()
list1.pop()
list1.reverse()
print(list1)

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

Your answer is correct.

The correct answer is:

[3, 3, 2, 2, 1, 1]

Question 5

Correct

Mark 1.00 out
of 1.00

Find the output?

```
list1 = [1, 2, 3, 4, 1, 2, 3]
print(list1.pop())
```

- a. 1
- b. 2
- c. []
- d. 3 ✓

Your answer is correct.

The correct answer is:

3

Question 6

Correct

Mark 1.00 out of 1.00

```
list1 = [1, 2, 3, 4, 1, 2, 3, 1]
list2 = list1.copy()
list1.clear()
print(list2)
```

Find the output?

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

Your answer is correct.

The correct answer is:

[1, 2, 3, 4, 1, 2, 3, 1]

Question 7

Incorrect

Mark 0.00 out of 1.00

In the given program if extend() is used instead of append() than what will be the output?

```
list1 = [1, 2, 3, 4]
list1.append([5,6,7,8])
print(list1)
```

- a. [1,2,3,4,[5,6,7,8]] ✗
- b. [1,2,3,4][5,6,7,8]
- c. [1,2,3,4,5,6,7,8]
- d. [1,2,3,4]

Your answer is incorrect.

The correct answer is:

[1,2,3,4,5,6,7,8]

Question 8

Correct

Mark 1.00 out of 1.00

Write the output of the following :

```
L = ['Amit', 'anita', 'Sumant', 'Zaid']
print(max(L))
```

Answer: anita



Write the output of the following :

```
L = ['Amit', 'anita', 'Sumant', 'Zaid']
print(max(L))
```

The correct answer is: anita

Question 9

Correct

Mark 1.00 out
of 1.00

```
myList = [1, 5, 5, 5, 5, 1]
max = myList[0]
indexOfMax = 0
for i in range(1, len(myList)):
    if myList[i] > max:
        max = myList[i]
        indexOfMax = i
print(indexOfMax)
```

Answer:

1



The correct answer is: 1

Question 10

Correct

Mark 1.00 out
of 1.00

What will be the output after the following statements?

```
m = ['Games', 'in', 'Python']
n = 'Play' + m[0] + m[1] + m[2]
print(n)
```

- a. PlayGamesinPython ✓
- b. GamesinPython
- c. Games in Python
- d. Play Games in Python

Your answer is correct.

The correct answer is:

PlayGamesinPython

Question 11

Incorrect

Mark 0.00 out
of 1.00To shuffle the [list](#)(say list1) what function do we use?

- a. random.shuffle(list1)
- b. random.shuffleList(list1)
- c. list1.shuffle() ✗

Your answer is incorrect.

The correct answer is:

random.shuffle(list1)

Question 12

Incorrect

Mark 0.00 out
of 1.00

Suppose list1 is [3, 4, 5, 20, 5], what is list1.index(5)?

- a. 1 X
- b. -3
- c. 4

Your answer is incorrect.

The correct answer is:

-3

Question 13

Incorrect

Mark 0.00 out
of 1.00

Choose a correct statement

- a. List is data structure in python used to store the sequence of various types.
- b.  is used to represent the List
- c. List are immutable X
- d. List is data structure in python used to store the sequence of same types.

Your answer is incorrect.

The correct answer is:

List is data structure in python used to store the sequence of various types.**Question 14**

Incorrect

Mark 0.00 out
of 1.00

L=['Amit','Anita','Zee','Longest Word']

print(max(L))

Answer: object is not callable X

The correct answer is: Zee

Question 15

Incorrect

Mark 0.00 out
of 1.00

Find the output?

list1 = list('REC_CSE_ECE')

print(list1.index('_'))

- a. 4
- b. AttributeError: 'list' object has no attribute 'find'
- c. 3 X
- d. -4

Your answer is incorrect.

The correct answer is:

AttributeError: 'list' object has no attribute 'find'

Started on Tuesday, 28 May 2024, 8:10 PM

State Finished

Completed on Tuesday, 28 May 2024, 8:34 PM

Time taken 24 mins 34 secs

Grade **8.00** out of 15.00 (53.33%)

Question 1

Incorrect

Mark 0.00 out
of 1.00

Which of the following options will not result in an error when performed on [tuples](#) in Python where `tupl=(5,2,7,0,3)`?

- a. `tupl.sort()` ✗
- b. `tupl.append(2)`
- c. `tupl[1]=2`
- d. `tupl1=tupl+tupl`

Your answer is incorrect.

The correct answer is:

`tupl1=tupl+tupl`

Question 2

Correct

Mark 1.00 out
of 1.00

Select which is true for Python tuple?

- a. We can change the tuple once created
- b. A tuple is unordered
- c. None of these
- d. A tuple maintains the order of items ✓

Your answer is correct.

The correct answer is: A tuple maintains the order of items

Question 3

Incorrect

Mark 0.00 out
of 1.00

What will be printed when the following code executes?

```
a = ("Python Programming")
```

```
print type(a)
```

- a. <class 'str'>
- b. <class 'tuple'>
- c. <class 'int'>
- d. str ✘

Your answer is incorrect.

The correct answer is:

<class 'str'>

Question 4

Correct

Mark 1.00 out
of 1.00

What is printed when the following code is run?

```
tup = ('30', '3', '2', '8')  
print(sorted(tup, reverse = True))
```

- a. ['2', '3', '30', '8']
- b. ['30', '8', '3', '2']
- c. ['2', '3', '8', '30']
- d. ['8', '30', '3', '2'] ✓

Your answer is correct.

The correct answer is:

['8', '30', '3', '2']

Question 5

Correct

Mark 1.00 out
of 1.00

Choose the correct option.

- a. In Python, a tuple can contain only strings as its elements.
- b. In Python, a tuple can contain both integers and strings as its elements. ✓
- c. In Python, a tuple can contain only integers as its elements.
- d. In Python, a tuple can contain either string or integer but not both at a time.

Your answer is correct.

The correct answer is:

In Python, a tuple can contain both integers and strings as its elements.

Question 6

Correct

Mark 1.00 out
of 1.00

A python tuple can be created without using any parentheses. (True/False)

- a. False
- b. True ✓

Question 7

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following [set](#) operation

```
sampleSet = {"Yellow", "Orange", "Black"}  
sampleSet.update(["Blue", "Green", "Red"])  
print(sampleSet)
```

- a. Name Error ✗
- b. {'Yellow', 'Orange', 'Black', ["Blue", "Green", "Red"]}
- c. {'Yellow', 'Orange', 'Red', 'Black', 'Green', 'Blue'}
- d. TypeError: update() doesn't allow [list](#) as a argument.

Your answer is incorrect.

The correct answer is:

```
{'Yellow', 'Orange', 'Red', 'Black', 'Green', 'Blue'}
```


Question 8

Incorrect

Mark 0.00 out
of 1.00

What will the below Python code do?

```
set1={2,3}  
  
set2={3,2}  
  
set3={2,1}  
  
if(set1==set2):  
    print("yes")  
  
else:  
    print("no")  
  
if(set1==set3):  
    print("yes")  
  
else:  
    print("no")
```

- a. Yes, Yes
- b. No, No ✗
- c. Yes, No
- d. "==" is not supported for set in Python

Your answer is incorrect.

The correct answer is:

Yes, No

Question 9

Correct

Mark 1.00 out
of 1.00

What is the output of the given below program?

```
t1 = (1,2,3)  
t2 = (4,5,6)  
x = t1+t2  
print(x)
```

- a. (1,2,3,4,5,6) ✓
- b. (1,2,3)(4,5,6)
- c. Error
- d. (1,2,3,3,2,1)

Your answer is correct.

The correct answer is:

(1,2,3,4,5,6)

Question 10

Correct

Mark 1.00 out of 1.00

Find the output of the given Python program?

```
t1 = (55, 44, 33, 22, 11)  
x = [t1[i] for i in range(0, len(t1), 2)]  
print(x)
```

- a. ([55,33,11])
- b. (55,33,11)
- c. [55, 33, 11] ✓
- d. [(55,33,11)]

Your answer is correct.

The correct answer is:

[55, 33, 11]

Question 11

Correct

Mark 1.00 out of 1.00

Find the output of the given Python program?

```
>>>t = (1, 2, 4, 3, 8, 9)  
>>>[t[i] for i in range(0, len(t), 2)]
```

- a. [2, 3, 9]
- b. [1, 2, 4, 3, 8, 9]
- c. [1, 4, 8] ✓
- d. (1, 4, 8)

Your answer is correct.

The correct answer is:

[1, 4, 8]

Question 12

Incorrect

Mark 0.00 out of 1.00

What is the output of the following code?

```
aTuple = (10, 20, 30, 40, 50, 60, 70, 80)  
print(aTuple[2:5], aTuple[:4], aTuple[3:])
```

- a. (30, 40, 50) (10, 20, 30, 40) ✗
- b. (10, 20, 30, 40) (40, 50, 60, 70, 80)
- c. (30, 40, 50) (10, 20, 30, 40) (40, 50, 60, 70, 80)
- d. (30, 40, 50)(40, 50, 60, 70, 80)

Your answer is incorrect.

The correct answer is:

(30, 40, 50) (10, 20, 30, 40) (40, 50, 60, 70, 80)

Question 13

Incorrect

Mark 0.00 out
of 1.00

What is the output of the following

```
set1 = {10, 20, 30, 40, 50}
set2 = {60, 70, 10, 30, 40, 80, 20, 50}

print(set1.issubset(set2))
print(set2.issuperset(set1))
```

- a. True
True
- b. False ✗
True
- c. False
False
- d. True
False

Your answer is incorrect.

The correct answer is:

True

True

Question 14

Incorrect

Mark 0.00 out
of 1.00

Write the Output of the following Code?

```
t = (15,83,83,52,60,45,52,85,100)
print(min(t)+max(t)+t.count(52))
```

- a. 2
- b. 117
- c. 100
- d. Error ✗

Your answer is incorrect.

The correct answer is:

117

Question 15

Correct

Mark 1.00 out
of 1.00

What will be the output of below Python code?

```
tupl=("python","programming","Computer")
print(tupl[-3:0])
```

- a. (Computer)
- b. () ✓
- c. Error
- d. Computer

Your answer is correct.

The correct answer is:

()

[◀ Set](#)[Jump to...](#)[Week7_Coding ►](#)

Started on Wednesday, 29 May 2024, 6:33 PM

State Finished

Completed on Wednesday, 29 May 2024, 6:45 PM

Time taken 12 mins 4 secs

Grade 12.00 out of 15.00 (80%)

Question 1

Correct

Mark 1.00 out
of 1.00

Which of the following are true of Python dictionaries:

- a) All the keys in a [dictionary](#) must be of the same type.
 - b) Items are accessed by their position in a [dictionary](#).
 - c) A [dictionary](#) can contain any object type except another [dictionary](#).
 - d) Dictionaries can be nested to any depth.
 - e) Dictionaries are mutable.
 - f) Dictionaries are accessed by key.
-
- a. b,c
 - b. c,d,e
 - c. a,b
 - d. d,e,f ✓

Your answer is correct.

The correct answer is:

d,e,f

Question 2

Correct

Mark 1.00 out
of 1.00

Which of the following is used to delete an element from [Dictionary](#)?

- a. pop 🎀 ✓
- b. remove
- c. delete
- d. None of the mentioned

The correct answer is: pop 🎀

Question 3

Incorrect

Mark 0.00 out
of 1.00Which statement is used to create an empty dictionary?

- a. `d1 = 🎈`
- b. `d1 = dict{ } ✗`
- c. `d1 = { }`
- d. `d1 = []`

Question 4

Correct

Mark 1.00 out
of 1.00

Key – value concept is in ____.

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

The correct answer is: Dictionary**Question 5**

Correct

Mark 1.00 out
of 1.00Keys of dictionary must be ____.

- a. unique ✓
- b. mutable
- c. integers
- d. antique

The correct answer is: unique

Question 6

Correct

Mark 1.00 out
of 1.00

____ function returns the value corresponding to the key passed as the argument.

- a. `del` 🎈
- b. `update` 🎈
- c. `values` 🎈
- d. `get` 🎈 ✓

The correct answer is: `get` 🎈**Question 7**

Correct

Mark 1.00 out
of 1.00All elements in dictionary are separated by ____.

- a. Comma(,) ✓
- b. Colon (😊)
- c. Semicolon(;)
- d. dot(.)

The correct answer is: Comma(,)

Question 8

Incorrect

Mark 0.00 out
of 1.00

What is the value of counter after the code is run?

```
phrase = "Cheese!!!! Cheese!!!! Python is a programming Language.Python!!!"
```

```
counter = 0
```

```
letters = {}
```

```
for word in phrase.split():
```

```
    for letter in word:
```

```
        letter = letter.lower()
```

```
        if letter not in letters.keys():
```

```
            letters[letter] = 0
```

```
            letters[letter] += 1
```

```
for key in letters.keys():
```

```
    if letters[key] > 2:
```

```
        counter += 1
```

```
print(counter)
```

Answer: 10 ✖

The correct answer is: 9

Question 9

Correct

Mark 1.00 out
of 1.00

_____ datatype fall under mapping.

- a. [List](#)
- b. String
- c. [Dictionary](#) ✓
- d. Tuple

The correct answer is: [Dictionary](#)

Question 10

Correct

Mark 1.00 out
of 1.00

`pop`  function delete and _____ the element of [dictionary](#).

- a. add
- b. not return
- c. display
- d. return ✓

The correct answer is: return

Question 11

Correct

Mark 1.00 out
of 1.00In [dictionary](#). Keys and values are separated by ____.

- a. Colon (:)
- b. Semicolon(;)
- c. dot(.)
- d. Comma(,)

The correct answer is: Colon (:)

Question 12

Correct

Mark 1.00 out
of 1.00Which function/statement delete all the items of the [dictionary](#)?

- a. del
- b. clear
- c. pop
- d. delete

The correct answer is: clear

Question 13

Correct

Mark 1.00 out
of 1.00The key-value pair in [dictionary](#) is called ____.

- a. item
- b. value
- c. paired value
- d. pair item

The correct answer is: item

Question 14

Correct

Mark 1.00 out
of 1.00

What will be the output of the following Python code snippet?

```
a={1:"A",2:"B",3:"C"}  
print(a.get(5,4))
```

- a. Invalid Syntax,Error
- b. 5
- c. A
- d. 4

Your answer is correct.

The correct answer is:

4

Question **15**

Incorrect

Mark 0.00 out
of 1.00

Which one of the following is correct?

- a. A dictionary can have two same keys or same values but cannot have two same key-value pair
- b. A dictionary can have two same keys with different values. **X**
- c. A python, a dictionary can neither have two same keys nor two same values.
- d. A dictionary can have two same values with different keys.

Your answer is incorrect.

The correct answer is:

A dictionary can have two same values with different keys.

[◀ Dictionary](#)

Jump to...



[Week8_Coding ►](#)

Started on Wednesday, 29 May 2024, 6:00 PM

State Finished

Completed on Wednesday, 29 May 2024, 6:15 PM

Time taken 14 mins 21 secs

Grade 15.00 out of 15.00 (100%)

Question 1

Correct

Mark 1.00 out
of 1.00

What will be the output of the following Python code?

```
def sayHello():
    print('Hello World!')
sayHello()
sayHello()
```

- a. Hello
Hello
- b. Hello World! ✓
Hello World!
- c. None of the mentioned
- d. 'Hello World!'
'Hello World!'

Your answer is correct.

The correct answer is:

Hello World!
Hello World!

Question 2

Correct

Mark 1.00 out
of 1.00

Which of the following number can never be generated by the following code: random.randrange(0, 100)

- a. 1
- b. 0
- c. 100 ✓
- d. 99

The correct answer is: 100

Question 3

Correct

Mark 1.00 out
of 1.00Which of the following statement is not true regarding [functions](#)?

- a. A function definition begins with "define" ✓
- b. A function may or may not return value.
- c. Function header always ends with a colon (:) .
- d. A function may or may not have parameters.

The correct answer is: A function definition begins with "define"

Question 4

Correct

Mark 1.00 out
of 1.00**What is the output of the following function call?**

```
def outer_fun(a, b):
    def inner_fun(c, d):
        return c + d
        return inner_fun(a, b)
    return a
result = outer_fun(5, 10)
print(result)
```

- a. (15,5)
- b. 5 ✓
- c. Syntax Error
- d. 15

Your answer is correct.

The correct answer is:

5

Question 5

Correct

Mark 1.00 out
of 1.00**What is the output of the following function call?**

```
def fun1(num):
    return num + 25
fun1(5)
print(num)
```

- a. num
- b. 25
- c. 5
- d. NameError ✓

Your answer is correct.

The correct answer is:

NameError

Question 6

Correct

Mark 1.00 out
of 1.00**Which keyword is used for defining a function?**

- a. Fun
- b. Define
- c. Function
- d. def ✓

Your answer is correct.

The correct answer is:

def

Question 7

Correct

Mark 1.00 out
of 1.00

In a program, a function can be called _____ times.

- a. 5
- b. 2
- c. Multiple times ✓
- d. 3

The correct answer is: Multiple times

Question 8

Correct

Mark 1.00 out
of 1.00Which module is to be imported for using randint function?

- a. rand
- b. randrange
- c. random ✓
- d. randomrange

The correct answer is: random

Question 9

Correct

Mark 1.00 out
of 1.00**Which of the following function headers is correct?**

- a. def fun(a = 2, b, c = 3)
- b. def fun(a, b, c = 3, d)
- c. def fun(a, b = 2, c = 3) ✓
- d. def fun(a = 2, b = 3, c)

Your answer is correct.

The correct answer is:

def fun(a, b = 2, c = 3)

Question 10

Correct

Mark 1.00 out
of 1.00**Which one of the following is the correct way of calling a function?**

- a. `function_name()` ✓
- b. `function function_name()`
- c. `call function_name()`
- d. `ret function_name()`

Your answer is correct.

The correct answer is:

`function_name()`**Question 11**

Correct

Mark 1.00 out
of 1.00

The part of the program where a variable is accessible is known as the _____ of that variable

- a. module
- b. part
- c. none of the mentioned
- d. scope ✓

The correct answer is: scope

Question 12

Correct

Mark 1.00 out
of 1.00**What will be the output of the following Python code?**

```
def test(i,j):
    if(i==0):
        return j
    else:
        return test(i-1,i+j)
print(test(4,7))
```

- a. 17 ✓
- b. 7
- c. Infinite loop
- d. 13

Your answer is correct.

The correct answer is:

17

Question 13

Correct

Mark 1.00 out
of 1.00

Which of the following function definition header is wrong?

- a. def scan(p1, p2 = 4, p3 = 5):
- b. def sum(n1, n2, n = 3):
- c. def mul(p1, n1, m1):
- d. def div(p1=4, p2, p3): ✓

The correct answer is: def div(p1=4, p2, p3):

Question 14

Correct

Mark 1.00 out
of 1.00

Which of the following statement is a function call?

- a. call sum
- b. sum ✓
- c. function sum
- d. def sum

The correct answer is: sum**Question 15**

Correct

Mark 1.00 out
of 1.00

6. Which of the following is not the built-in function?

- a. dictionary ✓
- b. tuple
- c. input
- d. print

The correct answer is: dictionary[◀ Functions](#)

Jump to...

[Week9_Coding ►](#)

Started on Tuesday, 28 May 2024, 8:36 PM

State Finished

Completed on Tuesday, 28 May 2024, 8:44 PM

Time taken 8 mins 21 secs

Grade 13.00 out of 15.00 (86.67%)

Question 1

Correct

Mark 1.00 out
of 1.00

Which of the following is not an in-place [sorting](#) algorithm?

- a. Quick sort
- b. Heap sort
- c. Merge sort ✓
- d. Selection sort

Your answer is correct.

The correct answer is:

Merge sort

Question 2

Correct

Mark 1.00 out
of 1.00

The process of placing or rearranging a collection of elements into a particular order is known as

- a. [Sorting](#) ✓
- b. Merging
- c. Rearranging
- d. [Searching](#)

Your answer is correct.

The correct answer is: [Sorting](#)

Question 3

Correct

Mark 1.00 out
of 1.00What is mean by stable sorting algorithm?

- a. A sorting algorithm is stable if it preserves the order of non-duplicate keys
- b. A sorting algorithm is stable if it doesn't preserver the order of duplicate keys
- c. A sorting algorithm is stable if it preserves the order of all keys
- d. A sorting algorithm is stable if it preserves the order of duplicate keys ✓

Question 4

Correct

Mark 1.00 out
of 1.00

Algorithm design technique used in merge sort algorithm is

- a. Dynamic programming
- b. Backtracking
- c. Greedy method
- d. Divide and conquer ✓

Your answer is correct.

The correct answer is:

Divide and conquer

Question 5

Correct

Mark 1.00 out
of 1.00

The average case occurs in the linear search algorithm

- a. When the item is the last element in the array
- b. When the item is not the array at all
- c. Item is the last element in the array or item is not there at all
- d. When the item is somewhere in the middle of the array ✓

Your answer is correct.

The correct answer is:

When the item is somewhere in the middle of the array

Question 6

Correct

Mark 1.00 out
of 1.00

Two-way merge sort algorithm is used to sort the following elements in ascending order.

200,470,150,80,90,40,400,300,120,70

What is the order of these elements after second pass of the merge sort algorithm?

- a. 200,470,80,150,40,90,300,400,70,120
- b. 80,150,200,470,40,90,300,400,70,120 ✓
- c. 40,80,90,150,200,300,400,470,70,120
- d. 40,70,80,90,120,150,200,300,400,470

Question 7

Correct

Mark 1.00 out
of 1.00

Which of the following is not the required condition for a binary search algorithm?

- a. Number values should only be present
Number values should only be present
- b. There should be direct access to the middle element in any sublist
- c. There must be a mechanism to delete and/or insert elements in the [list](#) ✓
- d. The [list](#) must be sorted

Your answer is correct.

The correct answer is:

There must be a mechanism to delete and/or insert elements in the [list](#)

Question 8

Correct

Mark 1.00 out
of 1.00

_____ sort is the simplest [sorting](#) algorithm that works by repeatedly swapping the adjacent elements in case they are unordered in n-1 passes.

- a. Bubble ✓
- b. Selection
- c. Complexity
- d. Insertion

Your answer is correct.

The correct answer is: Bubble

Question 9

Correct

Mark 1.00 out
of 1.00

_____ search takes a sorted/ordered [list](#) and divides it in the middle.

- a. Both (1) & (3)
- b. Binary ✓
- c. Linear
- d. Hash

Your answer is correct.

The correct answer is:

Binary

Question 10

Correct

Mark 1.00 out
of 1.00

_____ explain how an algorithm will perform when the input grows larger.

- a. [Sorting](#)
- b. [Searching](#)
- c. Merging
- d. Complexity ✓

Your answer is correct.

The correct answer is:

Complexity

Question 11

Incorrect

Mark 0.00 out
of 1.00

Given an array arr = {45,77,89,90,94,99,100} and key = 100; What are the mid values(corresponding array elements) generated in the first and second iterations?

- a. 90 and 100
- b. 89 and 94
- c. 94 and 99 ✗
- d. 90 and 99

Your answer is incorrect.

The correct answer is:

90 and 99

Question 12

Correct

Mark 1.00 out
of 1.00

In _____ checks the elements of a list, one at a time, without skipping any element.

- a. Binary search
- b. Linear search ✓
- c. Hash search
- d. Both (1) & (3)

Your answer is correct.

The correct answer is:

Linear search

Question 13

Correct

Mark 1.00 out
of 1.00

Finding the location of a given item in a collection of items is called

- a. Discovering
- b. Searching ✓
- c. Finding
- d. Mining

Your answer is correct.

The correct answer is:

Searching

Question 14

Incorrect

Mark 0.00 out
of 1.00

Given an array arr = {45,77,89,90,94,99,100} and key = 99; what are the mid values(corresponding array elements) in the first and second levels of recursion?

- a. 90 and 99
- b. 89 and 94
- c. 89 and 99
- d. 90 and 94 ✗

Your answer is incorrect.

The correct answer is:

90 and 99

Question 15

Correct

Mark 1.00 out
of 1.00

Which of the following is not a limitation of binary search algorithm?

- a. Requirement of sorted array is expensive when a lot of insertion and deletions are needed
- b. Binary search algorithm is not efficient when the data elements more than 1500 ✓
- c. Must use a sorted array
- d. There must be a mechanism to access middle element directly

Your answer is correct.

The correct answer is:

Binary search algorithm is not efficient when the data elements more than 1500

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