

Started on Wednesday, 17 April 2024, 6:31 AM

State Finished

Completed on Wednesday, 17 April 2024, 6:42 AM

Time taken 11 mins 3 secs

Grade 11.00 out of 15.00 (73.33%)

Question 1

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

Your answer is incorrect.

The correct answer is:

if x is greater than 2, x will equal 0 after this code executes

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following options correctly prints the phrase “Hurry Up!!”?

- a. print_sentence(Hurry Up!!!)
- b. print("Hurry Up!!") ✓
- c. print(Hurry Up!!!)
- d. printf("Hurry Up!!")

Your answer is correct.

The correct answer is:

print("Hurry Up!!")

Question 3

Incorrect

Mark 0.00 out of 1.00

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

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

Your answer is incorrect.

The correct answer is:

Name Error

Question 4

Correct

Mark 1.00 out of 1.00

What will be the output of the given code?

x,y=1,1

```
if(x ==y):  
    print("equal")  
if(x>y):  
    print("1")  
else:  
    print("0")
```

- a. equal
- b. 0
- c. equal ✓
- d. 1

Your answer is correct.

The correct answer is:

equal

0

Question 5

Correct

Mark 1.00 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. 0
- b. 2
- c. 4
- d. 3 ✓

Your answer is correct.

The correct answer is:

3

Question 6

Correct

Mark 1.00 out of 1.00

Python supports _____ types of control structures.

- a. 2
- b. 4
- c. 1
- d. 3 ✓

Your answer is correct.

The correct answer is:

3

Question 7

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

indentation

Question 8

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

Your answer is correct.

The correct answer is:

IIT IIT Ropar

Question 9

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

Your answer is correct.

The correct answer is:

Hi
Hello

Question 10

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

Your answer is correct.

The correct answer is:

Know Program

Question 11

Correct

Mark 1.00 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. 555 ✓
- b. 2
- c. 15
- d. 8

Your answer is correct.

The correct answer is:

555

Question 12

Incorrect

Mark 0.00 out of 1.00

What is the output of the following code

```
x=3  
if x>2 or x<5 and x==6:  
    print("ok")  
else:  
    print("no output")
```

- a. no output X
- b. None of the given option
- c. error
- d. ok

Your answer is incorrect.

The correct answer is:

ok

Question 13

Incorrect

Mark 0.00 out of 1.00

What will be output for the following code?

```
if 3 == 3:  
    print("Python is easy!")
```

- a. NO OUTPUT
- b. Error X
- c. Python is easy!

Your answer is incorrect.

The correct answer is:

Python is easy!

Question 14

Correct

Mark 1.00 out of 1.00

What is the output of the following code :

```
x=True  
y=False  
z=False  
  
if x or y and z:  
    print("YES")  
elif x and y or z:  
    print("yes")  
else:  
    print("no")
```

- a. YES ✓
- b. no
- c. Error
- d. yes

Your answer is correct.

The correct answer is:

YES

Question 15

Correct

Mark 1.00 out of 1.00

Number of elif in a program is dependent on the _____

- a. **number of conditions to be checked** ✓
- b. **number of loops in a program**
- c. **number of variables in a program**
- d. All the Above

Your answer is correct.

The correct answer is:

number of conditions to be checked

[◀ Selection control structures](#)[Jump to...](#)[Week3_coding ►](#)

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Started on Sunday, 21 April 2024, 7:36 PM

State Finished

Completed on Sunday, 21 April 2024, 7:46 PM

Time taken 10 mins 21 secs

Question 1

Complete

Which one of them is the correct syntax of for loop in python ?

- a. `for[sequence] in [item]:
 loop body`
- b. `for [item] in [sequence]:
 loop body`
- c. `for[sequence] in [sequence]:
 loop body`
- d. `for [item] in [item]:
 loop body`

Question 2

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 3

Complete

Which of the following is an infinite loop?

- a. while(0):
- b. while(infinite):
- c. while(i==2):
- d. while(1):

Question 4

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
2
0
- b. **0**
1
1
1
0
- c. **0**
1
2
0
- d. **0**
0
1
1
0

Question 5

Complete

```
i=1
while True:
    if i%0o7==0:
        break
    print(i)
    i+=1
```

Predict the output of the following?

- a. 0 1 2 3 4 5 6 7
- b. 1 2 3 4 5 6
- c. 7
- d. 1 2 3 4 5 6 7

Question 6

Complete

How many times it will print the statement?

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

Answer: **Question 7**

Complete

```
for x in [0, 1, 2]:
    pass
```

Predict the output of the program?

- a. Prints 0,1,2
- b. Compilation Error
- c. Prints nothing
- d. Runtime Error

Question 8

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 9

Complete

How many times it will print the statement?

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

Answer: 102

Question 10

Complete

The range() function by defaults increments by

Answer: 1

Question 11

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

 b. 0

1

2

 c. Finally Finished! d. 0

1

2

3

Finally Finished!

Question 12

Complete

```
num =0
while num < 5:
    num = num + 1
    print('num = ', num)
Predict the output of the following?
```

- a. Runs correctly
- b. Prints no output
- c. Runtime error
- d. Indentation Error

Question 13

Complete

Syntax of range()

- a. (start, step, stop)
- b. (start, stop, step)
- c. (stop, step, start)
- d. (step, stop, start)

Question 14

Complete

While loop can execute a set of statements till

- a. The condition is False
- b. The condition is True
- c. The condition starts executing
- d. The condition stops executing

Question 15

Complete

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

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

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

[◀ Iteration control structures](#)

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[Week4_Coding ►](#)

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Started on Wednesday, 15 May 2024, 6:33 AM

State Finished

Completed on Wednesday, 15 May 2024, 6:48 AM

Time taken 14 mins 9 secs

Grade 11.00 out of 15.00 (73.33%)

Question 1

Correct

Mark 1.00 out of 1.00

What is the output of the following Code?

```
print(chr(69))
```

Answer: E



The correct answer is: E

Question 2

Correct

Mark 1.00 out of 1.00

What is the output of the following code?

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

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

Your answer is correct.

The correct answer is:

01234

Question 3

Not answered

Marked out of 1.00

What is the output of the following Code?

```
str1="123456789"
```

```
print(str1[2:6:2])
```

Answer:



The correct answer is: 35

Question 4

Correct

Mark 1.00 out of 1.00

What arithmetic [operators](#) cannot be used with [strings](#) in Python?

- a. +
- b. *
- c. - ✓
- d. All of the mentioned

Your answer is correct.

The correct answer is:

Question 5

Correct

Mark 1.00 out of 1.00

What is the output of the following Code?

```
print(ord('C'))
```

Answer:

67



The correct answer is: 67

Question 6

Correct

Mark 1.00 out of 1.00

What will be the output of the following code?

```
a = 'ab'
```

```
b = 4
```

```
print(a*b)
```

Answer: abababab



The correct answer is: abababab

Question 7

Incorrect

Mark 0.00 out of 1.00

What is the output of "Vijay"+1+2+3 ?

- a. Vijay123 ✗
- b. Vijay6
- c. Error
- d. Vijay

Your answer is incorrect.

The correct answer is:

Error

Question 8

Correct

Mark 1.00 out of 1.00

What is the output of the following code ?

```
example = "arvijayakumar"
example[0] = 'A'
print example
```

- a. Error ✓ [Strings](#) cannot be modified
- b. arvijayakumar
- c. A
- d. Arvijayakumar

Your answer is correct.

The correct answer is:

Error

Question 9

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. Error
- b. None ✗
- c. arvjayakumar
- d. 0 1 2 3 ... 12
 - 1.

Your answer is incorrect.

The correct answer is:

Error

Question 10

Incorrect

Mark 0.00 out of 1.00

```
my_string = "arvjayakumar"
i = "i"
while i in my_string:
    print(i, end = " ")
```

- a. arvjayakumar
- b. None
- c. a r v j a y a k u m a r
- d. i i i i i... ✗

Your answer is incorrect.

The correct answer is:

None

Question 11

Correct

Mark 1.00 out of 1.00

Which of the following are valid string manipulation [functions](#) in Python?

- a. All of the mentioned ✓ All of the above are valid string manipulation [functions](#) in Python.
- b. count()
- c. upper()
- d. strip()

Your answer is correct.

The correct answer is:

All the mentioned

Question 12

Correct

Mark 1.00 out of 1.00

What will the below Python code will return?

```
str1="save paper,save plants"  
str1.find("save")
```

- a. It returns the first index position of the first occurrence of "save" in the given string str1.
- b. It returns the last index position of the first occurrence of "save" in the given string str1.
- c. It returns the first index position of the last occurrence of "save" in the given string str1.
- d. It returns the last index position of the last occurrence of "save" in the given string str1.

Your answer is correct.

The correct answer is:

It returns the first index position of the first occurrence of "save" in the given string str1.

Question 13

Correct

Mark 1.00 out of 1.00

Which of the following will result in an error?

```
str1="python"
```

- a. str1[1]="x" ✓ Strings are immutable. So, new values cannot be assigned at any index position in a string
- b. print(str1[0:9])
- c. None of the mentioned
- d. print(str1[2])

Your answer is correct.

The correct answer is:

str1[1]="x"

Question 14

Correct

Mark 1.00 out of 1.00

Which of the following is False?

- a. lower() function in string is used to return a string by converting the whole given string into lowercase.
- b. capitalize() function in string is used to ✓ capitalize() function in string gives the output by converting only the first character of return a string by converting the whole given string into uppercase. However, upper() function is used to return the whole string into uppercase.
- c. String is immutable.
- d. None of the mentioned

Your answer is correct.

The correct answer is:

capitalize() function in string is used to return a string by converting the whole given string into uppercase.

Question 15

Correct

Mark 1.00 out of 1.00

What will be the output of the following code?

```
a = '2'
```

```
b = 4
```

```
print(a*b)
```

Answer:



The correct answer is: 2222

◀ Strings

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Started on Saturday, 1 June 2024, 8:03 PM

State Finished

Completed on Saturday, 1 June 2024, 8:10 PM

Time taken 7 mins 17 secs

Grade 9.00 out of 15.00 (60%)

Question 1

Correct

Mark 1.00 out of 1.00

What will be the output after the following statements?

`m = [4, 8]`

`print(m * 3)`

- a. [4, 8, 4, 8, 4, 8] ✓
- b. [4, 8]
- c. [4, 8] * 3
- d. [4, 8, 4, 8]

Your answer is correct.

The correct answer is:

[4, 8, 4, 8, 4, 8]

Question 2

Correct

Mark 1.00 out of 1.00

What will be the output after the following statements?

`m = []`

`for n in range(6):`

`m.append(n*3)`

`print(m)`

- a. []
- b. [3, 6, 9, 12, 15]
- c. [0, 3, 6, 9, 12, 15] ✓
- d. [0, 3, 6, 9, 12]

Your answer is correct.

The correct answer is:

[0, 3, 6, 9, 12, 15]

Question 3

Not answered

Marked out of 1.00

Write the output of the following :

```
def listchange(L):
    L.append(45)
    return
L1 = [1, 2, 3, 4]
listchange(L1)
print(L1)
```

Answer:



The correct answer is: [1, 2, 3, 4, 45]

Question 4

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. [1, 2, 3, 4]
- b. [1, 2, 3, 4, 1, 2, 3, 1] ✓
- c. []
- 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 5

Incorrect

Mark 0.00 out of 1.00

To shuffle the [list](#)(say list1) what function do we use?

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

Your answer is incorrect.

The correct answer is:

random.shuffle(list1)

Question 6

Correct

Mark 1.00 out of 1.00

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

- a. -3 ✓
- b. 1
- c. 4

Your answer is correct.

The correct answer is:

-3

Question 7

Correct

Mark 1.00 out of 1.00

Find the output?

```
list1 = list('REC_CSE_ECE')
print(list1.index('_'))
```

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

Your answer is correct.

The correct answer is:

3

Question 8

Correct

Mark 1.00 out of 1.00

To find the last element of [list](#) namely 'list1' in Python, _____ will be used.

- a. list1[0]
- b. list1[:-1]
- c. list1[pos]
- d. list1[-1] ✓

Your answer is correct.

The correct answer is:

list1[-1]

Question 9

Correct

Mark 1.00 out of 1.00

Given a [list](#) L = [10, 20, 30, 40, 50, 60, 70], what would L[2: -2] return?

- a. [20, 30, 40]
- b. [30, 40, 50] ✓
- c. [20, 30, 40, 50]
- d. [10, 20, 30, 40]

Your answer is correct.

The correct answer is:

[30, 40, 50]

Question 10

Correct

Mark 1.00 out of 1.00

Choose a correct representation of [list](#)

- a. {10,20,30,'REC'}
- b. [10,20,30,'REC'] ✓
- c. 10,20,30,REC
- d. (10,20,30,'REC')

Your answer is correct.

The correct answer is:

[10,20,30,'REC']

Question 11

Incorrect

Mark 0.00 out of 1.00

Find the Output?

```
list1 = [1, 2, 3, 4, 1, 2, 3, 1]
print(list1[5:20])
```

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

Your answer is incorrect.

The correct answer is:

[2, 3, 1]

Question 12

Incorrect

Mark 0.00 out of 1.00

Fill in the blanks with same word in both places

```
>>> import _____
>>> list1 = [1, 2, 3, 4, 5]
>>> list2 = _____copy(list1)
>>> list2
```

- a. Copy
- b. Pickle
- c. Math ✕

Your answer is incorrect.

The correct answer is:

Copy

Question 13

Correct

Mark 1.00 out of 1.00

What will be the output after the following statements?

```
m = [25, 34, 70, 63]  
n = str(m[1]) +str(m[2])  
print( n )
```

- a. 104
- b. 95
- c. 3470 ✓
- d. 2534

Your answer is correct.

The correct answer is:

3470

Question 14

Incorrect

Mark 0.00 out of 1.00

Which of the following can delete an element from a [list](#), if its value is given?

- a. pop() ✗
- b. remove()
- c. del()
- d. extend()

Your answer is incorrect.

The correct answer is:

remove()

Question 15

Incorrect

Mark 0.00 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. Play Games in Python ✗
- b. Games in Python
- c. PlayGamesinPython
- d. GamesinPython

Your answer is incorrect.

The correct answer is:

PlayGamesinPython

[◀ List](#)[Jump to...](#)[Week6_Coding ►](#)

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Started on Friday, 7 June 2024, 8:20 PM

State Finished

Completed on Friday, 7 June 2024, 8:32 PM

Time taken 12 mins 8 secs

Grade 12.00 out of 15.00 (80%)

Question 1

Incorrect

Mark 0.00 out of 1.00

What is the output of the given below program?

```
t = (58, 47, 36, 25, 14, 3)
```

```
x = t[2:-1]
```

```
print(x)
```

- a. (36, 25, 14)
- b. (3,14,25)
- c. Error ✗
- d. (58,47,36,25)

Your answer is incorrect.

The correct answer is:

(36, 25, 14)

Question 2

Correct

Mark 1.00 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)(40, 50, 60, 70, 80)
- b. (30, 40, 50) (10, 20, 30, 40) (40, 50, 60, 70, 80) ✓
- c. (10, 20, 30, 40) (40, 50, 60, 70, 80)
- d. (30, 40, 50) (10, 20, 30, 40)

Your answer is correct.

The correct answer is:

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

Question 3

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

Your answer is correct.

The correct answer is:

[1, 4, 8]

Question 4

Correct

Mark 1.00 out of 1.00

Select all the correct options to remove "ECE" from the [set](#).

```
sampleSet = {"ECE", "R&A", "MCT"}
```

- a. sampleSet.discard("ECE") ✓
- b. remove.sampleSet("ECE")
- c. sampleSet.delete("ECE")
- d. del.sampleSet("ECE")

Your answer is correct.

The correct answer is:

sampleSet.discard("ECE")

Question 5

Correct

Mark 1.00 out of 1.00

What will be the output of following Python code?

```
set1={2,5,3}  
  
set2={3,1}  
  
set3={}  
  
set3=set1&set2  
  
print(set3)
```

- a. {2,5,1}
- b. {2,5,3,1}
- c. {3} ✓
- d. {}

Your answer is correct.

The correct answer is:

{3}

Question 6

Correct

Mark 1.00 out of 1.00

What will be printed when the following code executes?

```
a = ("Python Programming")  
  
print type(a)  
  
_____
```

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

Your answer is correct.

The correct answer is:

<class 'str'>

Question 7

Correct

Mark 1.00 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. TypeError: update() doesn't allow list as a argument.
- d. {'Yellow', 'Orange', 'Red', 'Black', 'Green', 'Blue'} ✓

Your answer is correct.

The correct answer is:

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

Question 8

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

Your answer is correct.

The correct answer is:

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

Question 9

Correct

Mark 1.00 out of 1.00

What will set1|set2 do?

```
If set1={"a","b",3}  
set2={3,7}
```

- a. Elements of set1 will get appended to set2
- b. A new set will be created with the elements of both set1 and set2 ✓
- c. Elements of set2 will get appended to set1
- d. A new set will be created with the unique elements of set1 and set2.

Your answer is correct.

The correct answer is:

A new set will be created with the elements of both set1 and set2

Question 10

Correct

Mark 1.00 out of 1.00

Which of the following is a Python tuple?

- a. (1,4,5,6,7) ✓
- b. ("Wonder")
- c. [1,2,3,4]
- d. {1,3,8,9,41}

Your answer is correct.

The correct answer is:

(1,4,5,6,7)

Question 11

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 12

Correct

Mark 1.00 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. False
True
- b. False
False
- c. True ✓
True
- d. True
False

Your answer is correct.

The correct answer is:

True

True

Question 13

Correct

Mark 1.00 out of 1.00

Find the output of the given Python program?

```
t1 = (1,2,3,(4,5))
t2 = (3,2,1,(4,5))
print(t1>t2)
```

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

Your answer is correct.

The correct answers are:

False,

Error

Question 14

Incorrect

Mark 0.00 out of 1.00

What will be the output of below Python code?

```
tup1=("python","programming","Computer")
print(tup1[-3:0])
```

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

Your answer is incorrect.

The correct answer is:

()

Question 15

Incorrect

Mark 0.00 out of 1.00

What will be the output of following Python code?

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

- a. {1,3,2}
- b. {4}
- c. {1,3,4} ✗
- d. {2}

Your answer is incorrect.

The correct answer is:

{4}

[◀ Set](#)

[Jump to...](#)

[Week7_Coding ►](#)

[Dashboard](#) / [My courses](#) / [PSPP/PUP](#) / [Experiments based on Dictionary and its operations.](#) / [Week8 MCQ](#)

Started on Friday, 7 June 2024, 9:19 PM

State Finished

Completed on Friday, 7 June 2024, 9:27 PM

Time taken 7 mins 53 secs

Grade 12.00 out of 15.00 (80%)

Question 1

Correct

Mark 1.00 out of 1.00

Key – value concept is in ____.

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

The correct answer is: [Dictionary](#).

Question 2

Not answered

Marked out of 1.00

What will be the Output of the following code?

```
dl={1:10, 2:20, 3:30, 4:40}  
d2={5:50, 6:60, 7:70}  
dl.update (d2)  
print (dl)
```

- a. {1:10, 2: 20, 4: 40, 5: 50, 6: 60, 7: 70}
- b. [(1, 10), (2, 20), (3, 30), (4, 40), (5, 50)]
- c. [1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60, 7: 70]
- d. {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60, 7: 70}

Your answer is incorrect.

The correct answer is:

{1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60, 7: 70}

Question 3

Correct

Mark 1.00 out of 1.00

Traversing a [dictionary](#) can be done using ____.

- a. loop ✓
- b. jump statement
- c. None of the mentioned
- d. if statement

The correct answer is: loop

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following function create a [dictionary](#) from a sequence of key-value pairs

- a. convert
- b. [dictionary](#)
- c. dict ✓
- d. create

The correct answer is: dict

Question 5

Correct

Mark 1.00 out of 1.00

In [dictionary](#) Keys and values are separated by ____.

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

The correct answer is: Colon (:)

Question 6

Correct

Mark 1.00 out of 1.00

In Python, Dictionaries are immutable

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 7

Correct

Mark 1.00 out of 1.00

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

- a. clear() ✓
- b. del
- c. pop()
- d. delete()

The correct answer is: clear()

Question 8

Correct

Mark 1.00 out of 1.00

To obtain the number of entries in [dictionary](#) which command is used?

- a. size(d)
- b. d.size()
- c. d.len()
- d. len(d) ✓

Your answer is correct.

The correct answer is:

len(d)

Question 9

Correct

Mark 1.00 out of 1.00

Write a statement to retrieve the value corresponding to the key 7 in dictionary 'D1'.

- a. D1.values(7)
- b. D1.pop(7)
- c. D1.disp(7)
- d. D1.get(7) ✓

The correct answer is: D1.get(7)

Question 10

Correct

Mark 1.00 out of 1.00

Which function helps to merge dictionary 'D1' and 'D2'?

- a. update ✓
- b. get
- c. append
- d. merge

The correct answer is: update

Question 11

Correct

Mark 1.00 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.
- c. A dictionary can have two same values with different keys. ✓
- d. A python, a dictionary can neither have two same keys nor two same values.

Your answer is correct.

The correct answer is:

A dictionary can have two same values with different keys.

Question 12

Incorrect

Mark 0.00 out of 1.00

clear() method is used to delete the [dictionary](#).

- a. True ✗
- b. False

The correct answer is: False

Question 13

Correct

Mark 1.00 out of 1.00

____ datatype fall under mapping.

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

The correct answer is: [Dictionary](#).

Question 14

Not answered

Marked 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:

✗

The correct answer is: 9

Question 15

Correct

Mark 1.00 out of 1.00

Which of the following are immutable data type? A. String B. Tuple C. [List](#) D. [Dictionary](#)

- a. a and b ✓
- b. a and c
- c. b and d
- d. c and d

The correct answer is: a and b

[◀ Dictionary](#)

Jump to...

[Week8_Coding ►](#)

State Finished**Completed on** Friday, 7 June 2024, 9:18 PM**Time taken** 14 mins 40 secs**Grade** 14.00 out of 15.00 (93.33%)**Question 1**

Correct

Mark 1.00 out of 1.00

Functions which do not return any value is called ____.

- a. void function ✓
- b. null function
- c. zero function
- d. default function

The correct answer is: void function

Question 2

Correct

Mark 1.00 out of 1.00

Which module is to be imported for using randint function?

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

The correct answer is: random

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

Your answer is correct.

The correct answer is:

function_name()

Question 4

Correct

Mark 1.00 out of 1.00

Function defined to achieve some task as per the programmer's requirement is called a ____.

- a. All of the mentioned
- b. built in [functions](#)
- c. library function
- d. user defined function ✓

The correct answer is: user defined function

Question 5

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

The correct answer is: scope

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

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

Question 7

Correct

Mark 1.00 out of 1.00

Write the output of : print(min(tuple("computer")))

- a. c ✓
- b. o
- c. u
- d. t

The correct answer is: c

```
def printMax(a, b):
    if a > b:
        print(a, 'is maximum')
    elif a == b:
        print(a, 'is equal to', b)
    else:
        print(b, 'is maximum')
printMax(3, 4)
```

- a. 4
- b. 4 is maximum ✓
- c. 3
- d. None of the mentioned

Your answer is correct.

The correct answer is:

4 is maximum

Question 9

Correct

Mark 1.00 out of 1.00

____ can be defined as a named group of instructions that accomplish a specific task when it is invoked/called.

- a. Function ✓
- b. Token
- c. Datatype
- d. Operator

The correct answer is: Function

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



Your answer is correct.

The correct answer is:

def

Question 11

Correct

Mark 1.00 out of 1.00

Choose the incorrect statement.

- a. print(pow(2, 3))
- b. print(pow(2.3, 3.2))
- c. print(pow(2, 3, 2))
- d. None of the mentioned ✓

The correct answer is: None of the mentioned

Question 12

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. 0
- b. 1
- c. 100 ✓
- d. 99

The correct answer is: 100

- a. give
- b. send
- c. return ✓
- d. take

The correct answer is: return

Question 14

Correct

Mark 1.00 out of 1.00

A function may return multiple values using ____.

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

The correct answer is: Tuple

Question 15

Correct

Mark 1.00 out of 1.00

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

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

The correct answer is: Multiple times

◀ Functions

Jump to...

Week9_Coding ►

[Dashboard](#) / [My courses](#) / [PSPP/PUP](#) / [Searching techniques: Linear and Binary](#) / [Week10 MCQ](#)

Started on Friday, 7 June 2024, 8:58 PM

State Finished

Completed on Friday, 7 June 2024, 9:03 PM

Time taken 4 mins 21 secs

Grade 14.00 out of 15.00 (93.33%)

Question 1

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

Merge sort

Question 2

Correct

Mark 1.00 out of 1.00

_____ is putting an element in the appropriate place in a sorted [list](#) yields a larger sorted order [list](#).

- a. Extraction
- b. Selection
- c. Distribution
- d. Insertion ✓

Your answer is correct.

The correct answer is:

Insertion

Question 3

Correct

Mark 1.00 out of 1.00

Algorithm design technique used in merge sort algorithm is

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

Your answer is correct.

The correct answer is:

Divide and conquer

Question 4

Correct

Mark 1.00 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 99 ✓
- b. 94 and 99
- c. 89 and 94
- d. 90 and 100

Your answer is correct.

The correct answer is:

90 and 99

Question 5

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. Searching
- c. Merging
- d. Rearranging

Your answer is correct.

The correct answer is: Sorting

Question 6

Correct

Mark 1.00 out of 1.00

What is mean by stable sorting algorithm?

- a. A sorting algorithm is stable if it preserves the order of 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 non-duplicate keys

Your answer is correct.

The correct answer is:

A sorting algorithm is stable if it preserves the order of duplicate keys

Question 7

Correct

Mark 1.00 out of 1.00

_____ search takes a sorted/ordered list and divides it in the middle.

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

Your answer is correct.

The correct answer is:

Binary

Question 8

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

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

Question 9

Correct

Mark 1.00 out of 1.00

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

- a. There should be direct access to the middle element in any sublist
- b. There must be a mechanism to delete and/or insert elements in the [list](#) ✓
- c. Number values should only be present
Number values should only be present
- 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 10

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

Your answer is correct.

The correct answer is:

Linear search

Question 11

Correct

Mark 1.00 out of 1.00

The average case occurs in the linear search algorithm

- a. When the item is somewhere in the middle of 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 the last element in the array

Your answer is correct.

The correct answer is:

When the item is somewhere in the middle of the array

Question 12

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

Your answer is correct.

The correct answer is: Bubble

Question 13

Correct

Mark 1.00 out of 1.00

Very slow way of sorting is_____

- a. Quick sort
- b. Insertion sort ✓
- c. Bubble sort
- d. Heap sort

Your answer is correct.

The correct answer is:

Insertion sort

Question 14

Correct

Mark 1.00 out of 1.00

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

- a. Complexity ✓
- b. Searching
- c. Merging
- d. Sorting

Your answer is correct.

The correct answer is:

Complexity

Question 15

Incorrect

Mark 0.00 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. 40,70,80,90,120,150,200,300,400,470
- b. 200,470,80,150,40,90,300,400,70,120
- c. 80,150,200,470,40,90,300,400,70,120
- d. 40,80,90,150,200,300,400,470,70,120 X

Your answer is incorrect.

The correct answer is:

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

[◀ Searching](#)

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[Week10_Coding ►](#)

[Dashboard](#) / [My courses](#) / [PSPP/PUP](#) / [Operators and Formatting Output](#) / [Week2 MCQ](#)

Started on Thursday, 28 March 2024, 1:03 PM

State Finished

Completed on Friday, 29 March 2024, 9:50 PM

Time taken 1 day 8 hours

Grade 12.00 out of 15.00 (80%)

Question 1

Correct

Mark 1.00 out of 1.00

What is the value of the expression

`print(100 / 25)`

`print(100//25)`

a. 4

4

b. 4.0

4.0

c. 4.0 ✓

4

d. 4.0

4.00

Your answer is correct.

The correct answer is:

4.0

4

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following is not a valid variable name in Python?

- a. **_var**
- b. **var_name**
- c. **var11**
- d. **5var** ✓

Your answer is correct.

The correct answer is:

5var

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following type of Python operator will only print True or False in output when we use it in our program?

- a. Comparison Operator ✓
- b. Arithmetic Operator
- c. Membership Operator
- d. Assignment Operator

Your answer is correct.

The correct answers are:

Membership Operator,
Comparison Operator

Question 4

Correct

Mark 1.00 out of 1.00

What will be the value of x in the following Python expression, if the result of that expression is 2?**x>>2**

- a. 1
- b. 8 ✓
- c. 2
- d. 4

Your answer is correct.

The correct answer is:

8

Question 5

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 6

Correct

Mark 1.00 out of 1.00

What is the output of the following code

```
x = ["apple", "banana", "cherry"]
```

```
#display the data type of x:
```

```
print(type(x))
```

- a. 

```
<class 'list'>
```

- b.

```
<class 'complex'>
```

- c.

```
<class 'int'>
```

- d.

```
<class 'float'>
```

Your answer is correct.

The correct answer is:

```
<class 'list'>
```

Question 7

Correct

Mark 1.00 out of 1.00

What is the output of the following code**x = 4****y = 10****print(x % y)**

- a. 1
- b. 6
- c. 10
- d. 4 ✓

Your answer is correct.

The correct answer is:

4

Question 8

Incorrect

Mark 0.00 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** X**True****True** b. **True****False****True** c. **False****False****True** d. **True****False****False**

Your answer is incorrect.

The correct answer is:

True**False****True**

Question 9

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 10**

Correct

Mark 1.00 out of 1.00

An identifier can have a maximum length of ----- characters in Python. a. 31 b. 79 ✓ c. 50 d. 7

Your answer is correct.

The correct answer is:

79

Question 11

Incorrect

Mark 0.00 out of 1.00

Which among the following list of operators has the highest precedence?

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

- a. <<, >> X
- b. **
- c. |
- d. %

Your answer is incorrect.

The correct answer is:

**

Question 12

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

Your answer is correct.

The correct answer is:

|j
<class 'complex'>

Question 13

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 equation
- b. operands, an expression ✓
- c. terms, a group
- d. operators, a statement

Your answer is correct.

The correct answer is:

operands, an expression

Question 14

Correct

Mark 1.00 out of 1.00

What is the value of the expression `1+2**3*4+12*((100+4)*10-200//10)` ?

- a. -23679
- b. 12493
- c. -24568
- d. 12273 ✓

Your answer is correct.

The correct answer is:

12273

Question 15

Incorrect

Mark 0.00 out of 1.00

What will be the output of statement $2^{}2^{**}2^{**}2$**

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

Your answer is incorrect.

The correct answer is:

65536

[◀ Operators](#)

Jump to...

[Week2_Coding ►](#)