

**Started on** Thursday, 14 March 2024, 1:58 PM

**State** Finished

**Completed on** Thursday, 14 March 2024, 1:59 PM

**Time taken** 1 min 31 secs

**Grade** 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

print()

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

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

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

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

Your answer is correct.

The correct answer is:

int and str

**Question 4**

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. x\_y\_z\_p = 5,000,000
- d. xyzp = 5,000,000

Your answer is correct.

The correct answer is:

x,y,z,p = 5000, 6000, 7000, 8000

**Question 5**

Correct

Mark 1.00 out of 1.00

What will be the output of the following code snippet?

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

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

Your answer is correct.

The correct answer is:

float

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

Your answer is correct.

The correct answer is:

<class 'str'>

Question **7**

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

.py

Question **8**

Correct

Mark 1.00 out of 1.00

Who developed the Python language?

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

Your answer is correct.

The correct answer is:

Guido Van Rossum

Question **9**

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

Indentation

Question **10**

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. 3 1  
3 1
- c. No output
- d. 1 3  
3 1

Your answer is correct.

The correct answer is:

3 1

1 3

[◀ Basics of Python](#)

Jump to...



**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

Jump to...

[Week5\\_Coding ►](#)

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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 ►](#)

[Dashboard](#) / [My courses](#) / [PSPP/PUP](#) / [Experiments based on Tuples, Sets and its operations](#) / [Week7 MCQ](#)

**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

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