

[Dashboard](#) / [My courses](#) / [PSPP/PUP](#) / [Experiments based on Variables, Datatypes in Python.](#) / [Week1 Quiz](#)

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

State Finished

Completed on Thursday, 14 March 2024, 11:16 AM

Time taken 1 min 43 secs

Grade 8.00 out of 10.00 (80%)

Question 1

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 2

Correct

Mark 1.00 out of 1.00

Who developed the Python language?

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

Your answer is correct.

The correct answer is:

Guido Van Rossum

Question 3

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

Indentation

Question 4

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

Your answer is correct.

The correct answer is:

int and str

Question 5

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

Your answer is correct.

The correct answer is:

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

Question 6

Incorrect

Mark 0.00 out of 1.00

What will be the output of the following code snippet?

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

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

Your answer is incorrect.

The correct answer is:

`float`

Question 7

Incorrect

Mark 0.00 out of 1.00

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

Answer: `float(int())`



The correct answer is: `float(input())`

Question 8

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

print()

Question 9

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 ✓
- b. No output
- c. 1 3
- d. 3 1

Your answer is correct.

The correct answer is:

3 1

1 3

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](#)

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Started on Monday, 25 March 2024, 12:03 PM

State Finished

Completed on Monday, 25 March 2024, 12:20 PM

Time taken 16 mins 34 secs

Grade 9.00 out of 15.00 (60%)

Question 1

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. 19
- b. 12
- c. 24.0 ✓
- d. 19.0

Your answer is correct.

The correct answer is:

24.0

Question 2

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. 8 ✓
- d. 3

Your answer is correct.

The correct answer is:

8

Question 3

Incorrect

Mark 0.00 out of 1.00

What is the order of precedence in python?

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

- a. **3,5,1,2,4**
- b. **1,2,3,4,5**
- c. **1,5,2,4,3** ×
- 3,1,2,4,5**
- d. **3,1,2,4,5**

Your answer is incorrect.

The correct answer is:

3,5,1,2,4

Question 4

Correct

Mark 1.00 out of 1.00

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

- a. 50
- b. 31
- c. 7
- d. 79 ✓

Your answer is correct.

The correct answer is:

79

Question 5

Correct

Mark 1.00 out of 1.00

State the output of the following code.

```
num1 = '10'  
num2 = '20'  
sum = num1 + num2  
print(sum)
```

- a. 30
- b. 10
- c. Error ✓
- d. 1020

Your answer is correct.

The correct answer is:

Error

Question 6

Incorrect

Mark 0.00 out of 1.00

What is the value of the expression

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

a. 4.0

4.0

b. 4 X

4

c. 4.0

4

d. 4.0

4.00

Your answer is incorrect.

The correct answer is:

4.0

4

Question 7

Correct

Mark 1.00 out of 1.00

Which of the following statements assigns the value 35 to the variable x in Python: a. **x ← 35** b. **int x = 35** c. **x := 35** d. **x = 35 ✓**

Your answer is correct.

The correct answer is:

x = 35

Question 8

Incorrect

Mark 0.00 out of 1.00

What is the output of the following code

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

 a. 64 ✗

8

4

 b. 0

64

 c. 64

4

 d. 64

0

Your answer is incorrect.

The correct answer is:

64

4

Question 9

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

Your answer is correct.

The correct answer is:

12273

Question 10

Incorrect

Mark 0.00 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 incorrect.

The correct answer is:

5var

Question 11

Incorrect

Mark 0.00 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. • True True False True X c. • False True False True d. • False True True True

Your answer is incorrect.

The correct answer is:

- False True True True

Question 12

Correct

Mark 1.00 out of 1.00

What is the output of the following code**x = 4****y = 10****print(x % y)** a. 10 b. 6 c. 1 d. 4 ✓

Your answer is correct.

The correct answer is:

4

Question 13

Incorrect

Mark 0.00 out of 1.00

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

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

Your answer is incorrect.

The correct answer is:

65536

Question 14

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

Your answer is correct.

The correct answer is:

operands, an expression

Question 15

Correct

Mark 1.00 out of 1.00

What is the two's complement of -44?

- a. 10110011
- b. 11010100 ✓
- c. 1011011
- d. 11101011

Your answer is correct.

The correct answer is:

11010100

[◀ Operators](#)

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Started on Friday, 29 March 2024, 1:26 PM

State Finished

Completed on Friday, 29 March 2024, 1:37 PM

Time taken 11 mins 34 secs

Grade 8.00 out of 15.00 (53.33%)

Question 1

Correct

Mark 1.00 out of 1.00

What keyword would you use to add an alternative condition to an if statement?

- a. elif ✓
- b. else if
- c. elseif

Your answer is correct.

The correct answer is:

elif

Question 2

Incorrect

Mark 0.00 out of 1.00

What will be the output for the following code?

if False:

```
    print("1001")
```

else:

```
    print("2002")
```

- a. 2002
- b. syntax error ✗
- c. 1001

Your answer is incorrect.

The correct answer is:

2002

Question 3

Correct

Mark 1.00 out of 1.00

What will be the output?

a=11

b=5

```
if (a%b==0):  
    print ("hello")  
if (a//b==0):  
    print ("hi")  
else:  
    print ("python")
```

- a. hi
- b. hello
- c. python ✓

Your answer is correct.

The correct answer is:

python

Question 4

Incorrect

Mark 0.00 out of 1.00

Can we write if/else into one line in python?

- a. No ✗
- b. Yes

Your answer is incorrect.

The correct answer is:

Yes

Question 5

Correct

Mark 1.00 out of 1.00

what will be the output for the following question?

```
a, b = 12, 5  
if a + b:  
    print('True')  
else:  
    print('False')
```

- a. Error
- b. False
- c. True ✓

Your answer is correct.

The correct answer is:

True

Question 6

Incorrect

Mark 0.00 out of 1.00

```
x,y=1,2  
if(x or y):  
    print("1")  
else:  
    print("0")
```

- a. Runtime error
- b. Compile time error ✗
- c. 1
- d. 0

Your answer is incorrect.

The correct answer is:

1

Question 7

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. no
- b. yes
- c. Error
- d. YES ✓

Your answer is correct.

The correct answer is:

YES

Question 8

Incorrect

Mark 0.00 out of 1.00

What is the output of the below code snippet?

```
num1=100
num2=200
num3=6
if(5>=num3):
    if(num1>100 or num2>150):
        print("1")
elif(num1>=100 and num2>150):
    print("2")
else:
    print("3")
```

- a. 3
- b. 2
- c. 1 X

Your answer is incorrect.

The correct answer is:

2

Question 9

Incorrect

Mark 0.00 out of 1.00

____ is an empty statement in Python.

- a. None X
- b. pass
- c. Jump
- d. Empty

Your answer is incorrect.

The correct answer is:

pass

Question 10

Incorrect

Mark 0.00 out of 1.00

What is the output of the given below program?**if 1 + 3 == 7:** **print("Hello")****else:** **print("REC")**

- a. Hello
- b. Compiled Successfully, No Output. ✗
- c. REC

Your answer is incorrect.

The correct answer is:

REC**Question 11**

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

Your answer is correct.

The correct answer is:

IIT IIT Ropar

Question 12

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

indentation

Question 13

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

present

Question 14

Correct

Mark 1.00 out of 1.00

Ahaana wants to make a fun program , if user enters any number a "Good" or "funny" message will appear . She is confused that which is the most suitable control to be used to make such program. Help her to choose correct option.

- a. if elif
- b. If
- c. Nested if
- d. if else ✓

Your answer is correct.

The correct answer is:
if else

Question 15

Incorrect

Mark 0.00 out of 1.00

Write the output of the following code :

```
x="Joy"  
if(x=="John"):  
    print("Aero")  
elif(x=="Joy"):  
    pass  
else:  
    print("REC")  
print("REC-AERO")
```

- a. REC
REC-AERO
- b. All the Above
- c. Aero X
REC
REC-Aero
- d. REC-AERO

Your answer is incorrect.

The correct answer is:

REC-AERO

[◀ Selection control structures](#)

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Started on Wednesday, 3 April 2024, 9:00 PM

State Finished

Completed on Wednesday, 3 April 2024, 9:25 PM

Time taken 25 mins

Question 1

Not answered

While loop can execute a [set](#) of statements till

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

Question 2

Not answered

The range() function returns a

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

Question 3

Not answered

```
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**

1

2

0

b. **0**

0

1

2

0

c. **0**

0

1

1

0

d. **0**

1

1

1

0

Question 4

Not answered

Predict the output of the following

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

a. 2 3

b. 2 3 4

c. 3 4

d. 1 2 3 4

Question 5

Not answered

Which of the following is an infinite loop?

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

Question 6

Not answered

For loop in python is

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

Question 7

Not answered

The range() function returns a

- a. sequence of numbers
- b. sequence of bytes
- c. sequence of set
- d. sequence of lists

Question 8

Not answered

The range() function by defaults increments by

Answer:

Question 9

Not answered

```
count = 0
while(True):
    if count % 3 == 0:
        print(count, end = " ")
    if(count > 18):
        break;
    count += 1
```

Predict the output of the program?

- a. 0 3 9 12 18
- b. 0 3 6 9 12 15 18
- c. 0 3 6 9 12 15
- d. Compilation error

Question 10

Not answered

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

Predict the output of the program?

Answer:

Question 11

Not answered

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

What is the output of the following?

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

Question 12

Not answered

For loop follows which principle?

- a. Don't Repeat Yourself (DRY)
- b. You Aren't Going to Need It(YAGNI)
- c. Single responsibility
- d. Open/closed

Question 13

Not answered

Which of the following is a loop in python?

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

Question 14

Not answered

Which of the following is a loop in python?

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

Question 15

Not answered

```
count = 0
while(True):
    if count % 3 == 0:
        print(count, end = " ")
    if(count > 18):
        break;
    count += 1
```

Predict the output of the program?

- a. Compilation error
- b. 0 3 9 12 18
- c. 0 3 6 9 12 15
- d. 0 3 6 9 12 15 18

[◀ Iteration control structures](#)

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Started on Tuesday, 14 May 2024, 10:10 PM

State Finished

Completed on Tuesday, 14 May 2024, 10:13 PM

Time taken 3 mins 2 secs

Grade 6.00 out of 15.00 (40%)

Question 1

Incorrect

Mark 0.00 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 incorrect.

The correct answer is:

vijay

Question 2

Incorrect

Mark 0.00 out of 1.00

What is the output of the following code ?

```
print('raining'. find('z'))
```

- a. Not Found
- b. Type error ✗
- c. -1
- d. ''

Your answer is incorrect.

The correct answer is:

-1

Question 3

Correct

Mark 1.00 out of 1.00

What is the output of the following code?

```
str1='vijayakumar'  
str2='.'  
str3='---'  
print(str1[-1:])
```

- a. vijayakuma
- b. None of the above
- c. 'r' ✓
- d. ramukayajiv

Your answer is correct.

The correct answer is:

'r'

Question 4

Incorrect

Mark 0.00 out of 1.00

What is the output of the following Code?

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

Answer: ×

The correct answer is: 67

Question 5

Correct

Mark 1.00 out of 1.00

What is the output of the following code.

```
Line1 = "And Then There Were None"  
Line2 = "Famous In Love"  
Line3 = "Famous Were The Kol And Klaus"  
Line4 = Line1 + Line2 + Line3  
print("And" in Line4)
```

- a. False 2
- b. False
- c. True ✓ The “in” operator returns True if the strings contains the substring (ie, And), else returns False.
- d. True 2

Your answer is correct.

The correct answer is:

True

Question 6

Correct

Mark 1.00 out of 1.00

What is the output of the following?

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

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

Your answer is correct.

The correct answer is:

0 1 2 0

Question 7

Incorrect

Mark 0.00 out of 1.00

What is the output of the following Code?

```
print(ord('B'))
```

Answer: X

The correct answer is: 66

Question 8

Incorrect

Mark 0.00 out of 1.00

What is the output of the following Code?

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

Answer: X

The correct answer is: E

Question 9

Correct

Mark 1.00 out of 1.00

```
Python considered the character enclosed in triple quotes as String.
```

Select one:

 True ✓ False

The correct answer is 'True'.

Question 10

Incorrect

Mark 0.00 out of 1.00

What is the index value of 'i' in string "Learning"

- a. 3 X
- b. 6
- c. 5
- d. 7

Your answer is incorrect.

The correct answer is:

5

Question 11

Incorrect

Mark 0.00 out of 1.00

What is the output of the following Code?

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

Answer: 70 X

The correct answer is: F

Question 12

Correct

Mark 1.00 out of 1.00

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

- a. hello123
- b. hello
- c. Error ✓ Cannot concatenate str and int objects.
- d. hello6

Your answer is correct.

The correct answer is:

Error

Question 13

Incorrect

Mark 0.00 out of 1.00

What is the output of the following Code?

```
str1="arvijayakumar"  
print(str1[::-1])
```

Answer: 

The correct answer is: ramukayajivra

Question 14

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. O*oo#Frph#E|#wKhq1 **X**
- d. I*oo@frph@e|\$wkhq1

Your answer is incorrect.

The correct answer is:

L*oo#frph#e|#wkhq1

Question 15

Correct

Mark 1.00 out of 1.00

What is the output of the following code?

```
print('ab cd ef'.title())
```

- a. Ab cd ef
- b. Ab Cd Ef ✓
- c. Ab cd eF
- d. None of the mentioned

Your answer is correct.

The correct answer is:

Ab Cd Ef

[◀ Strings](#)

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Started on Friday, 10 May 2024, 4:09 PM

State Finished

Completed on Friday, 10 May 2024, 4:15 PM

Time taken 6 mins 9 secs

Grade 6.00 out of 15.00 (40%)

Question 1

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. 95
- b. 2534
- c. 104
- d. 3470 ✓

Your answer is correct.

The correct answer is:

3470

Question 2

Incorrect

Mark 0.00 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, 1, 2, 2, 3, 3, 4,]
- c. [1, 2, 3, 4] ✗
- d. [1, 2, 3, 4, 1, 2, 3, 1]

Your answer is incorrect.

The correct answer is:

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

Question 3

Correct

Mark 1.00 out of 1.00

What will be the data type of m after the following statement?

m = [90, 'A', 115, 'B', 250]

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

Your answer is correct.

The correct answer is:

List

Question 4

Correct

Mark 1.00 out of 1.00

Write the output of the following:

list1=[3,2,5,7,3,6]

```
list1.remove(3)
print(sum(list1))
```

- a. 20
- b. 23 ✓
- c. 19

Your answer is correct.

The correct answer is:

23

Question 5

Incorrect

Mark 0.00 out of 1.00

What is the output when we execute `list("welcome")`

- a. c) ['emoclew']
- b. b) ['welcome'] X
- c. a) ['w', 'e', 'l', 'c', 'o', 'm', 'e']

Your answer is incorrect.

The correct answer is:

a) ['w', 'e', 'l', 'c', 'o', 'm', 'e']

Question 6

Incorrect

Mark 0.00 out of 1.00

What will be the output after the following statements?

```
m = ['July', 'September', 'December']
```

```
n = m[1]
```

```
print
```

- a. ['July', 'September', 'December']
- b. July X
- c. December
- d. September

Your answer is incorrect.

The correct answer is:

September

Question 7

Incorrect

Mark 0.00 out of 1.00

Find the output?

```
list3=[]  
list1 ='REC_CSE_ECE'  
list2= list1.split('_')  
for i in list2:  
    list3.extend(i)  
print(list3)
```

- a. [R', 'E', 'C', 'C', 'S', 'E', 'E', 'C', 'E'] ✗
- b. ['REC', 'CSE', 'ECE']
- c. ['REC_CSE_ECE']
- d. Error

Your answer is incorrect.

The correct answer is:

['REC', 'CSE', 'ECE']

Question 8

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. [2, 3, 1]
- b. [1, 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 9

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. GamesinPython
- b. Play Games in Python
- c. Games in Python X
- d. PlayGamesinPython

Your answer is incorrect.

The correct answer is:

PlayGamesinPython

Question 10

Incorrect

Mark 0.00 out of 1.00

Find the output?

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

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

Your answer is incorrect.

The correct answer is:

[]

Question 11

Incorrect

Mark 0.00 out of 1.00

Find the output?

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

```
print(list1.pop())
```

- a. 3
- b. 2
- c. 1
- d. [] ✗

Your answer is incorrect.

The correct answer is:

3

Question 12

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

Your answer is correct.

The correct answer is:

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

Question 13

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

Your answer is correct.

The correct answer is:

[30, 40, 50]

Question 14

Incorrect

Mark 0.00 out of 1.00

Find the output?

```
list1 = list('REC')
list1.sort()
print(list1)
```

- a. [C, E, R]
- b. ['REC']
- c. ['C', 'E', 'R']
- d. Error ✗

Your answer is incorrect.

The correct answer is:

['C', 'E', 'R']

Question 15

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

Your answer is correct.

The correct answer is:

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

[◀ List](#)

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[Week6_Coding ►](#)

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Started on Thursday, 30 May 2024, 11:46 AM

State Finished

Completed on Thursday, 30 May 2024, 12:02 PM

Time taken 16 mins 41 secs

Grade 2.00 out of 15.00 (13.33%)

Question 1

Incorrect

Mark 0.00 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. c,d,e
- b. b,c
- c. d,e,f
- d. a,b 

Your answer is incorrect.

The correct answer is:

d,e,f

Question 2

Incorrect

Mark 0.00 out of 1.00

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

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

The correct answer is: dict

Question 3

Incorrect

Mark 0.00 out of 1.00

Which statement is used to create an empty [dictionary](#)?

- a. d1 = {}
- b. d1 = []
- c. d1 =  X
- d. d1 = dict{}

The correct answer is: d1 = {}

Question 4

Incorrect

Mark 0.00 out of 1.00

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

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

The correct answer is: Colon (:)

Question 5

Incorrect

Mark 0.00 out of 1.00

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

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

The correct answer is: loop

Question 6

Incorrect

Mark 0.00 out of 1.00

Which one of the following is correct?

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

Your answer is incorrect.

The correct answer is:

A dictionary can have two same values with different keys.

Question 7

Correct

Mark 1.00 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 correct.

The correct answer is:

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

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: cheese X

The correct answer is: 9

Question 9

Incorrect

Mark 0.00 out of 1.00

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

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

The correct answer is: D1.get(7)

Question 10

Incorrect

Mark 0.00 out of 1.00

Which of the following is feature of [Dictionary](#)?

- a. Keys must be of an immutable data type.
- b. Keys are unique within a [dictionary](#). X
- c. All of the mentioned
- d. [Dictionary](#) is mutable.

The correct answer is: All of the mentioned

Question 11

Incorrect

Mark 0.00 out of 1.00

Only values (without keys) can be printed in [dictionary](#)?

- a. True
- b. False X

The correct answer is: True

Question 12

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

len(d)

Question 13

Incorrect

Mark 0.00 out of 1.00

Dictionaries in python are ____.

- a. Non-Mutable data type X
- b. Mutable data type
- c. Mapping data type
- d. Both Non-Mutable data type and Mapping data type

The correct answer is: Both Non-Mutable data type and Mapping data type

Question 14

Incorrect

Mark 0.00 out of 1.00

In Python, Dictionaries are immutable

Select one:

- True X
- False

The correct answer is 'False'.

Question 15

Incorrect

Mark 0.00 out of 1.00

Suppose `d = {"john":40, "peter":45}`, to delete the entry for "john" what command do we use?

- a. `del d["john"]`
- b. `d.delete("john":40)`
- c. `d.delete("john")` X
- d. `del d("john":40)`

Your answer is incorrect.

The correct answer is:

`del d["john"]`

[◀ Dictionary](#)

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Started on Thursday, 30 May 2024, 11:56 AM

State Finished

Completed on Thursday, 30 May 2024, 12:00 PM

Time taken 3 mins 43 secs

Grade 5.00 out of 15.00 (33.33%)

Question 1

Correct

Mark 1.00 out of 1.00

Python function always returns a value

Select one:

True ✓

False

The correct answer is 'True'.

Question 2

Incorrect

Mark 0.00 out of 1.00

What will be the output of the following Python code?

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

- a. 'Hello World!' X
'Hello World!'

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

Your answer is incorrect.

The correct answer is:

Hello World!
Hello World!

Question 3

Incorrect

Mark 0.00 out of 1.00

A variable that is defined inside any function or a block is known as a ____.

- a. Local variable
- b. Function Variable
- c. Global variable
- d. inside variable X

The correct answer is: Local variable

Question 4

Incorrect

Mark 0.00 out of 1.00

Which of the following function definition header is wrong?

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

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

Question 5

Correct

Mark 1.00 out of 1.00

What is the output of the following display() function call?

```
def display(**kwargs):
    for i in kwargs:
        print(i)
display(emp="Kelly", salary=9000)
```

- a. TypeError
- b. emp ✓
salary
- c. Kelly
9000
- d. ('emp', 'Kelly')
 ('salary', 9000)

Your answer is correct.

The correct answer is:

emp
salary

Question 6

Incorrect

Mark 0.00 out of 1.00

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

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

The correct answer is: scope

Question 7

Correct

Mark 1.00 out of 1.00

Which keyword is used for defining a function?

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

Your answer is correct.

The correct answer is:

def

Question 8

Incorrect

Mark 0.00 out of 1.00

The function can be called in the program by writing function name followed by ____.

- a. 🎈
- b. None of the mentioned ✗
- c. []
- d. { }

The correct answer is: 🎈

Question 9

Correct

Mark 1.00 out of 1.00

The _____ statement returns the values from the function to the calling function.

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

The correct answer is: return

Question 10

Incorrect

Mark 0.00 out of 1.00

What will be the output of the following Python code?

```
def maximum(x, y):  
    if x > y:  
        return x  
    elif x == y:  
        return 'The numbers are equal'  
    else:  
        return y  
print(maximum(2, 3))
```

- a. 2 ✗
- b. The numbers are equal
- c. 3
- d. None of the mentioned

Your answer is incorrect.

The correct answer is:

3

Question 11

Incorrect

Mark 0.00 out of 1.00

Write the output of : print(max([1, 2, 3, 4], [4, 5, 6], [7]))

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

The correct answer is: [7]

Question 12

Incorrect

Mark 0.00 out of 1.00

Which of the following is not the type of function argument?

- a. initial argument
- b. Required argument **X**
- c. default argument
- d. Keyword argument

The correct answer is: initial argument

Question 13

Incorrect

Mark 0.00 out of 1.00

The process of dividing a computer program into separate independent blocks of code with specific functionalities is known as _____.

- a. Modular Programming
- b. Programming
- c. More Programming
- d. Step Programming **X**

The correct answer is: Modular Programming

Question 14

Incorrect

Mark 0.00 out of 1.00

cal(n1) : What is n1?

- a. Argument
- b. None of the mentioned
- c. Parameter
- d. Keyword ✗

The correct answer is: Argument

Question 15

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

The correct answer is: Function

[◀ Functions](#)

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Started on Thursday, 30 May 2024, 5:25 PM

State Finished

Completed on Thursday, 30 May 2024, 5:34 PM

Time taken 9 mins 1 sec

Grade 14.00 out of 15.00 (93.33%)

Question 1

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

Searching

Question 2

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

Complexity

Question 3

Incorrect

Mark 0.00 out of 1.00

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

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

Your answer is incorrect.

The correct answer is:

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

Question 4

Correct

Mark 1.00 out of 1.00

Very slow way of sorting is_____

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

Your answer is correct.

The correct answer is:

Insertion sort

Question 5

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

Your answer is correct.

The correct answer is:

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

Question 6

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

Your answer is correct.

The correct answer is:

When the item is somewhere in the middle of the array

Question 7

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. Bubble ✓
- c. Complexity
- d. Insertion

Your answer is correct.

The correct answer is: Bubble

Question 8

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 all keys
- b. A [sorting](#) algorithm is stable if it doesn't preserve the order of duplicate keys
- c. A [sorting](#) algorithm is stable if it preserves the order of duplicate 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 9

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. Merging
- b. Searching
- c. Rearranging
- d. Sorting ✓

Your answer is correct.

The correct answer is: Sorting**Question 10**

Correct

Mark 1.00 out of 1.00

Algorithm design technique used in merge sort algorithm is

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

Your answer is correct.

The correct answer is:

Divide and conquer

Question 11

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

Your answer is correct.

The correct answer is:

Insertion

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

Your answer is correct.

The correct answer is:

Linear search

Question 13

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

Merge sort

Question 14

Correct

Mark 1.00 out of 1.00

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

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

Your answer is correct.

The correct answer is:

There must be a mechanism to delete and/or insert elements in the list

Question 15

Correct

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

Your answer is correct.

The correct answer is:

90 and 99

◀ Searching

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