

Question based on flow of control

2023

1. Ravi, a Python programmer, is working on a project in which he wants to write a function to count the number of even and odd values in the list. He has written the following code but his code is having errors. Rewrite the correct code and underline the corrections made.

GIVEN CODE	AFTER CORRECTION
<pre>def max_num (L) : max=L(0) for a in L : if a > max max=a return max</pre>	<pre>def max_num (L) : max=L[0] for a in L: if a > max: <u>max=a</u> return max</pre>

2023-main

19. Atharva is a Python programmer working on a program to find and return the maximum value from the list. The code written below has syntactical errors. Rewrite the correct code and underline the corrections made.

GIVEN CODE	AFTER CORRECTION
<pre>define EOCOUNT(L): even_no=odd_no=0 for i in range(0,len(L)) if L[i]%2=0: even_no+=1 Else: odd_no+=1 print(even_no, odd_no)</pre>	<pre><u>def</u> EOCOUNT(L): even_no=odd_no=0 for i in range(0,len(L)): if L[i]%2==0: even_no+=1 <u>else:</u> odd_no+=1 print(even_no, odd_no)</pre>

2021-comp

1. Rewrite the following code in Python after removing all syntax error(s) : 2
Underline each correction done in the code.

GIVEN CODE	AFTER CORRECTION
<pre>Runs = (10, 5, 0, 2, 4, 3) for I in Runs: if I=0: print (Maiden Over) else print(Not Maiden)</pre>	<pre>Runs = (10, 5, 0, 2, 4, 3) for I in Runs: if I==0: print('_Maiden Over_') <u>else :</u> print('_Not Maiden')</pre>

2020-comp

1. Rewrite the following code in Python after removing all syntax error(s). Underline each correction done in the code.

GIVEN CODE	AFTER CORRECTION
------------	------------------

<pre>input('Enter a word',W) if W = 'Hello' print('Ok') else: print('Not Ok')</pre>	<pre><u>W=input('Enter a word')</u> if W <u>==</u> 'Hello' : print('Ok') <u>else</u> : print('Not Ok')</pre>
---	--

2. Write the output of the following Python code :

GIVEN CODE	output
<pre>for i in range(2,7,2): print(i * '\$')</pre>	<pre>\$\$ \$\$\$\$ \$\$\$\$\$\$</pre>

2019

1. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

GIVEN CODE	AFTER CORRECTION
<pre>250 = Number WHILE Number<=1000: if Number=>750: print Number Number=Number+100 else print Number*2 Number=Number+50</pre>	<pre><u>Number = 250</u> <u>while</u> Number<=1000: if Number<u>>=</u>750: print Number Number = Number+100 <u>else:</u> print Number*2 Number = Number+50</pre>

2019-

1. Rewrite the following code in Python after removing all syntax error(s). Underline each correction done in the code.

GIVEN CODE:- a	AFTER CORRECTION
<pre>25=Val for I in the range(0,Val) if I%2==0: print I+1 Else: print I-1</pre>	<pre><u>Val = 25</u> <u>for I in range(0,Val):</u> if I%2==0: print I+1 <u>else:</u> print I-1</pre>

2. Write a Python method/function Count(Start,End,Step) to display natural numbers from Start. End in equal intervals of Step For example : If the values of Start as 14, End as 35 and Step as 6 The method should be displayed as

Given output	code
<pre>14 20 26 32</pre>	<pre>def Count(Start,End,Step): for i in range(Start,End,Step): print(i)</pre>

2018 –comp

1. Write definition of a Method COUNTNOW(PLACES) to find and display those place names, in which there are more than 5 characters.

For example:

If the list PLACES contains ["DELHI","LONDON","PARIS","NEW YORK","DUBAI"]

The following should get displayed	code
LONDON NEW YORK	def COUNTNOW(PLACES): for i in PLACES: if len(i)>5: print(i)

2. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

GIVEN CODE	AFTER CORRECTION
<pre>Num = int(rawinput("Number:")) Sum = 0 for i in range(10,Num,3) Sum+=i if i%2=0: print i*2 Else: print i*3 print Sum</pre>	<pre>Num = int(<u>raw_input</u>("Number:")) Sum = 0 for i in range(10,Num,<u>3</u>): Sum+=i if i%2==0: print i*2 <u>else:</u> print i*3 print Sum</pre>

Note:- in old versions print without () allowed but now it will give following error
SyntaxError: Missing parentheses in call to 'print'

2017

1. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

GIVEN CODE	AFTER CORRECTION
<pre>STRING=""WELCOME NOTE"" for S in range[0,8]: print STRING(S) print S+STRING</pre>	<pre>STRING=<u>"WELCOME"</u> NOTE=<u>""</u> for S in range(<u>0,8</u>): print STRING[S] print <u>S,STRING</u></pre>

2016

1. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

GIVEN CODE	AFTER CORRECTION
<pre>for Name in [Amar, Shveta, Parag] IF Name[0]='S': print(Name)</pre>	<pre>for Name in ["Amar", "Shveta", "Parag"] : <u>if</u> Name[0] == 'S': print(Name)</pre>

2015

1. Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.

GIVEN CODE	AFTER CORRECTION
------------	------------------

<pre>def Sum(Count) #Method to find sum S=0 for I in Range(1,Count+1): S+=I RETURN S print Sum[2] #Function Call print Sum[5]</pre>	<pre>def Sum(Count): #Method to find sum S=0 for I in <u>range</u> (1,Count+1): S+=I <u>return</u> S print Sum(<u>2</u>) #Function Call print Sum(<u>5</u>)</pre>
--	--

2. Find and write the output of the following python code :

Given code	output
<pre>for Name in ['John','Garima','Seema','Karan']: print Name if Name[0]== 'S': break else : print 'Completed!' print 'Weldone!'</pre>	<pre>John Garima Seema Weldone!</pre>

SQP-2024

1. State True or False:

“In a Python program, if a break statement is given in a nested loop, it terminates the execution of all loops in one go.”

Ans:- False

2. The code given below accepts a number as an argument and returns the reverse number. Observe the following code carefully and rewrite it after removing all syntax and logical errors. Underline all the corrections made.

GIVEN CODE	AFTER CORRECTION
<pre>define revNumber(num): rev = 0 rem = 0 While num > 0: rem ==num %10 rev = rev*10 + rem num = num//10 return rev print (revNumber(1234))</pre>	<pre><u>def</u> revNumber (num) : rev = 0 rem = 0 <u>while</u> num > 0: rem <u>=</u>num %10 rev = rev*10 + rem num = num//10 <u>return</u> rev print (revNumber(1234))</pre>

SQP -2023

1. Rao has written a code to input a number and check whether it is prime or not. His code is having errors. Rewrite the correct code and underline the corrections made.

GIVEN CODE	AFTER CORRECTION
------------	------------------

<pre>def prime(): n=int(input("Enter number to check :: ")) for i in range (2, n//2): if n%i==0: print("Number is not prime \n") break else: print("Number is prime \n')</pre>	<pre>def prime(): n=int(input("Enter number to check :: ")) for i in range (2, n//2): if n%i==0: print("Number is not prime \n") __break else: print("Number is prime \n")</pre>
--	--

SQP-2022

1. Identify the output of the following Python statements.

x = 2

while x < 9:

print(x, end="")

x = x + 1

a. 12345678 b. 123456789 c. 2345678 d. 23456789

Ans:- c. 2345678

2. Identify the output of the following Python statements.

b = 1

for a in range(1, 10, 2):

b += a + 2

print(b)

a. 31 b. 33 c. 36 d. 39

Ans:- c. 36

SQP-2021

1. Rewrite the following code in Python after removing all syntax error(s). Underline each correction done in the code.

GIVEN CODE	AFTER CORRECTION
<pre>Value=30 for VAL in range(0,Value) If val%4==0: print (VAL*4) Elseif val%5==0: print (VAL+3) else print(VAL+10)</pre>	<pre>Value=30 for VAL in range(0,Value)<u>:</u> <u>if</u> val%4==0: print (VAL*4) <u>elif</u> val%5==0: print (VAL+3) <u>else:</u> print(VAL+10)</pre>

SQP-2020

1. Rewrite the following code in python after removing all syntax error(s).

Underline each correction done in the code.

GIVEN CODE	AFTER CORRECTION
------------	------------------

30=To

for K in range(0,To)

IF k%4==0:

print (K*4)

Else:

print (K+3)

To=30

for K in range(0,To):

if k%4==0:

print (K*4)

else:

print (K+3)