

Q.1) What is the output of following code? x=2 y=4 for i in range(x,y): if i==3: continue elif i==4: break  
else: print(i)

Output:- 3

Q.2) What is the output of following code? x=4 y=10 while x>y: x-=1 y+=1 else: y-=1 print(i)

Output:-9

Q.3) What is the output of following code? x=3 y=6 if x<y: if y>10: z=x+y else: z=x-y else: z=x\*y  
print(z)

Output:- -3

Q.4) What is the output of following code? x=5 y=3 if x<y: z=x+y elif x>y: z=x-y else: z=x\*y print(z)

Output:- 2

Q.5) What is the output of following code? x=4 y=8 for i in range(x,y): if i%2==0: continue else:  
print(i)

Output:- 5,7

Q.6) What is the output of following code? x=5 y=3 if x>y: z=x+y elif x<y: z=x-y else: z=x\*y print(z)

Output:-8

Q.7) What is the output of following Python code? my\_list=[1,2,3,4,5] my\_list.extend([6,7])  
print(my\_list)

Output:- [1,2,3,4,5,6,7]

Q.8) What is the output of following Python code? my\_tuple=(1,2,3) new\_tuple=my\_tuple+(4,5,6)  
print(new\_tuple)

Output:- (1,2,3,4,5,6)

Q.9) What is the output of following Python code? my\_list=[1,2,3,4,5]  
new\_list=sorted(my\_list,reverse=True) print(new\_list)

Output:- [5,4,3,2,1]

Q.10) What is the output of following Python code? my\_list=[1,2,3,4,5] new\_list=my\_list[1:3]  
print(new\_list)

Output:- [2,3]

Q.11) What is the output of following Python code? my\_tuple=(1,2,3,4,5) my\_tuple[1]=10  
print(my\_tuple)

Output:- Error: 'tuple' object does not support item assignment

Q.12) What is the output of following Python code? my\_tuple=(1,2,3,4,5)  
repeated\_tuple=my\_tuple\*3 print(repeated\_tuple)

Output:- (1,2,3,4,5,1,2,3,4,5,1,2,3,4,5)

Q.13) What is the output of following Python code? `my_tuple=(1,2,3) new_tuple=my_tuple+(4,)`  
`print(new_tuple)`

Output:- (1, 2, 3, 4)

Q.14) What is the output of following Python code? `my_tuple=(1,2,3,4,5)`  
`sum_of_tuple=sum(my_tuple) print(sum_of_tuple)`

Output:- 15

Q.15) What is the output of following Python code? `my_list=[1,2,3,4,5] del my_list[2] print(my_list)`

Output:- [1, 2, 4, 5]

Q.16) What is the output of following Python code? `my_list=[1,2,3,4,5] my_list.remove(3)`  
`print(my_list)`

Output:- [1, 2, 4, 5]

Q.17) What is the output of following Python code? `my_list=[1,2,3,4,5] my_list.insert(2,10)`  
`print(my_list)`

Output:- [1, 2, 10, 3, 4, 5]

Q.18) What is the output of following Python code?

`my_tuple=(1,2,3,4,5) new_tuple=my_tuple[-3:-1] print(new_tuple)`

Output:- (3,4)

Q.19) What is the output of following Python code? `my_tuple=(1,2,3,4,5) new_tuple=my_tuple[::-1]`  
`print(new_tuple)`

Output:- (5,4,3,2,1)

Q.20) What is the output of following Python code? `my_list=[1,2,3,4,5] repeated_list=my_list*2`  
`print(repeated_list)`

Output:- [1, 2, 3, 4, 5, 1, 2, 3, 4, 5]

Q.21) What is the output of following code? `x=3 y=6 while x<y: if y%2==0: x+=y else: x-=y print(x)`

Output:- 9

Q.22) What is the output of following code? `def count_vowels(word): vowels=['a','e','i','o','u'] count=0`  
`for letter in word: if letter.lower() in vowels: count +=1 return count` `word="Hello World"`  
`result=count_vowels(word) print(result)`

Output:- 3

Q.23) What is the output of following code? `def calculate_average(nums): return`  
`sum(nums)/len(nums)` `my_nums=[1,2,3,4,5] result= calculate_average(my_nums) print(result)`

Output:- 3

Q.24) What is the output of following code?  
`def find_average(nums): positive_nums=[num for num in  
nums if num>0] return sum(positive_nums)/len(positive_nums) my_nums=[-1,2,-3,4,-5]  
result=find_average(my_nums) print(result)`

Output:- 3

Q.25) What is the output of following code?  
`def modify_list(lst):lst.append(4) my_list=[1,2,3]  
modify_list(my_list) print(len(my_list))`

Output:- 4

Q.26) What is the output of following code?  
`def remove_duplicates(string): unique_chars=[] for char  
in string: if char not in unique_chars: unique_chars.append(char) return ''.join(unique_chars)  
my_string="abracadabra" result=remove_duplicates(my_string) print(result)`

Output:- "abrcd"

Q.27)What is the output of following python code?  
`x=4 result=x>5 print(result)`

Output:- False

Q.28) What is the output of following python code?  
`x="Python" result=x[1:5:2] print(result)`

Output:- yh

Q.29) What is the output of following python code?  
`x=True y=False result=x or y print(result)`

Output:- True

Q.30) What is the output of following python code?  
`x=5 y="2" result=str(x)+y print(result)`

Output:- 52