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Question 1:

1. False
2. <class ‘list’ >

Question 2:

1. def getNumber():

x=y=z=10

return (x, y , z)

print(getNumber())

2. def sum(num):

def add(x):

return num+x

return add

print(sum(5)(12))

Question 3:

1. number=str(input("Enter the number : "));

num1=int(number)

list=list(number)

list.reverse()

list=''.join(list)

num=int(list)

print(num)

if (num==num1):

print('the number is palindrome')

else:

print('the number is not palindrome')

2. list1=[10,20,25,30,35]

list2=[40,45,60,75,90]

list3=[]

for i in list1:

if(i%2!=0):

list3.append(i)

for i in list2:

if(i%2==0):

list3.append(i)

print(list3)

3. def exponent(base,exp):

if (exp==1):

print (base)

elif(base==0):

print (0)

else:

print ( base \* pow(base, exp-1))

exponent(5,5)

4. number=int(input('enter the number: '))

for i in range (1,11):

mult=number\*i;

print(mult)

5. list=[10,20,30,40,50]

list1=[]

for i in range(len(list)):

list1.insert(i,list[-1])

print(list)

print(list1)

6. firstRange = int(input("Enter the min range : "))

LastRange = int(input("Enter the max range : "))

for number in range(firstRange,LastRange + 1):

if number > 1:

for i in range(2,number):

if (number % i) == 0:

break

else:

print(number)

7. for number in range(1,51):

if (number%3==0 and number%5==0):

print(number ,"is FizzBuzz");

elif number%3==0:

print(number, "is Fizz");

elif number%5==0:

print(number,"is Buzz");

8. def checkTuple():

tuple = [1, 1, 1]

x = all(tuple)

if(x==True):

print('All items are the same ')

else:

print('Items in the tuple are not the same ')

checkTuple()

# search : closure