# ex1

def abc():

xyz = 'hello'+'!!!'

print(xyz)

abc()

#ex2

def abc(var):

xyz = var+'!!!'

print(xyz)

abc('enayat')

#ex3

def abc(var):

x = var+'!!!'

return(x)

y = abc('ned')

print(y)

type(y)

#ex4

def abc(v1, v2):

x = v1+'$$$'

y = v2+'!!!'

o = x+y

return(o)

z = abc('ned','uet')

print(z)

#ex5

def abc(v1, v2):

x = v1+'$$$'

y = v2+'!!!'

o = [x,y] # multiple values return using list

return(o)

z1, z2 = abc('ned','uet')

print(z1)

print(z2)

#ex6

def abc(v1, v2):

x = v1+'$$$'

y = v2+'!!!'

# o = [x,y] # multiple values return using list

return([x,y])

z = abc('ned','uet')

print(z)

#ex7

def abc(v1, v2):

x = v1+'$$$'

y = v2+'!!!'

o = (x,y) # multiple values return using tuple

return(o)

z1, z2 = abc('ned','uet')

print(z1)

print(z2)

#ex8

def abc(v1, v2):

x = v1+'$$$'

y = v2+'!!!'

o = (x,y) # multiple values return using tuple

return(o)

z = abc('ned','uet')

print(z)

#ex9

var1 = [1,'apple',3.142,True] # type list

print(var1)

print(type(var1))

print(' ')

var2 = (11,22,33) # type tuple

print(var2)

print(type(var2))

#ex10

def abc(v1, v2, v3):

def xyz(v): # nested func

return(v+'$$$')

o = [xyz(v1), xyz(v2),xyz(v3)]

return(o)

y = abc('p','q','r')

print(y)

#ex11

def abc(var, echo=1): # echo is the default argument

v = var\*echo

v = v+'$$$'

return(v)

y = abc('world')

yy = abc('world',3)

print(y)

print(yy)

#ex12

abc = lambda x: x+'!!!'

type(abc('hello'))

#ex13

abc = lambda x, echo: x\*echo

abc('hello', 3)

#ex14

n = [1, 2, 3]

m = map(lambda num: num\*\*2 , n)

# map(func, elem) # map() returns object ,

# so it is must to use list() command after using map()

print(list(m))