Python programming basic assignment 20:

Q1) def filterstring(listf):

listf2 = []

for i in listf:

if type(i) == int:

listf2.append(i)

return listf2

print(filterstring([1,2,3,"a", "b",4]))

print(filterstring(["A",0,"Edabit",1729,"Python","1729"]))

print(filterstring([“Nothing","here"]))

Q2) def add\_indexes(lista):

for i in lista:

b = lista.index(i)

lista[b] = b + i

return lista

print(add\_indexes([0,0,0,0,0]))

print(add\_indexes([1,2,3,4,5]))

print(add\_indexes([5,4,3,2,1]))

Q3) def cone\_volume(h,r):

volume = (3.14159 \* r \* r \* h)/3

volume1 = round(volume, 2)

return volume1

print(cone\_volume(3,2))

print(cone\_volume(15,6))

print(cone\_volume(18,0))

Q4) def triangle(n):

number = 0

for i in range(1,n+1):

number = number + i

return number

print(triangle(1))

print(triangle(6))

print(triangle(215))

Q5) def missing\_num(listm):

j = 0

for i in listm:

j = j + i

d = (10\*11)/2

h = d - j

return h

print(missing\_num([1,2,3,4,6,7,8,9,10]))

print(missing\_num([7,2,3,6,5,9,1,4,8]))

print(missing\_num([10,5,1,2,4,6,8,3,9]))