Python programming basic assignment 18:

Q1) def filterstring(listf):

listf2 = []

for i in listf:

if type(i) == int:

listf2.append(i)

return listf2

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

print(filterstring([1, "a", "b", 0, 15]))

print(filterstring([1,2,"aasf", "1", "123", 123]))

Q2) def reverser(stringr):

stringr2 = ""

for i in stringr:

stringr2 = i + stringr2

stringr3 = stringr2.swapcase()

return stringr3

print(reverser("Hello World"))

print(reverser("ReVeRsE"))

print(reverser(“Radar"))

Q3) lst = [1,2,3,4,5,6]

first, middle, last = lst[0], lst[1:-1], lst[-1]

print(first, middle, last)

Q4) def factorial(n):

if n == 1 or n == 0:

return 1

else:

return n\*factorial(n-1)

print(factorial(5))

print(factorial(3))

print(factorial(1))

print(factorial(0)