Python programming basic assignment 17:

Q1) def evendivider(a,b,c):

d = 0

for i in range(a,b+1):

if i%c == 0:

d = d + i

if d >0:

return d

if d == 0:

print("no number is evenly divisible in the range")

print(evendivider(1,10,20))

print(evendivider(1,10,2))

print(evendivider(1,10,3))

Q2) def inequalitychecker(n):

regex = eval(n)

if regex:

return True

else:

return False

print(inequalitychecker("3<7<11"))

print(inequalitychecker("13>44>33>1"))

print(inequalitychecker(“1<2<6<9>3"))

Q3) def vowel\_replace(a, b):

listv = ["a", "e", "i", "i", "o", "u"]

for i in a:

if i in listv:

a.replace(i, b)

return a

print(vowel\_replace("the aardvark", "#"))

print(vowel\_replace("minnie mouse", "?"))

print(vowel\_replace("shakespeare", “\*"))

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))

Q5) def hamming\_distance(string1, string2):

i = 0

count = 0

while(i < len(string1)):

if(string1[i] != string2[i]):

count = count + 1

i = i + 1

return count

print(hamming\_distance("abcde", "bcdef"))

print(hamming\_distance("abcde", "abcde"))

print(hamming\_distance("strong", "strung"))