**Name Ammar raza**

**Roll no 21P-8004**

**Question 1**

Create a list which contains the first three odd positive integers and a list b which contains The first three even positive integers.

a= [1, 3, 5] b= [2, 4, 6]

● Create a new list c which combines the numbers from both lists (order is unimportant).

**INPUT:**

a=[1,3,5]

b=[2,4,6]

c=a+b

c.sort()

print (c)

**OUTPUT:**



● Append 7, 8 and 9 to the end of c.

**INPUT:**

c.append(7)

c.append(8)

c.append(9)

print (c)

**OUTPUT:**



● Print the first three elements of c.

**INPUT:**

c[0:3]

**OUTPUT:**



● Print the last element of b.

**INPUT:**

b[-1]

**OUTPUT:**



● Print the length of a

**INPUT:**

len(a)

**OUTPUT:**



● Find the minimum value in list c (Do not use built-in function)

**INPUT:**

minimum=c[0]

for i in range(1,len(c)):

if(c[i]<minimum):

minimum=c[i]

print("The minimum range in list is ",minimum)

**OUTPUT:**



● Find the average/mean value from list c (Donot use built-in function)

**INPUT:**

n=0

for i in c:

n=n+i

print(n)

m=n/len(c)

print('The average is ',m)

**OUTPUT:**



● Insert fourth element in list c 42

**INPUT:**

c.insert(4,42)

c

**OUTPUT:**



**Question 2**

Write a Python function that takes two lists and returns True if they

have at least one common member.

**INPUT:**

a=[1,3,4,5,6,7]

b=[2,5,6,7,8,9,]

x=False

for i in a:

for j in b:

if i==j:

x = True

x

**OUTPUT:**

