Q1 . write output of this code

def extendList(val, list=[]):

list.append(val)

return list

list1 = extendList(10)

list2 = extendList(123,[])

list3 = extendList('a')

print("list1 = %s" % list1)

print("list2 = %s" % list2)

print("list3 = %s" % list3)

Q2 . Write output of this code

def multipliers():

return [lambda x : i \* x for i in range(4)]

print([m(2) for m in multipliers()])

Q3 . write output of this code

class Parent(object):

x = 1

class Child1(Parent):

pass

class Child2(Parent):

pass

print Parent.x, Child1.x, Child2.x

Child1.x = 2

print Parent.x, Child1.x, Child2.x

Parent.x = 3

print Parent.x, Child1.x, Child2.x

Q4 . write output

def div1(x,y):

print "%s/%s = %s" % (x, y, x/y)

def div2(x,y):

print "%s//%s = %s" % (x, y, x//y)

div1(5,2)

div1(5.,2)

div2(5,2)

div2(5.,2.)

Q5 . in interpreter mode

1. list = [ [ ] ] \* 5

2. list # output?

3. list[0].append(10)

4. list # output?

5. list[1].append(20)

6. list # output?

7. list.append(30)

8. list # output?

Q6 write a python code to #completed in assignment 8.

1. take 2 mXn array from user

2. print addition of these array

3. also print transpose of resulted array

Q7 . write an application where a shop keeper keep track of sold products as -

Items price

write an application - to return total sales, no of items sold

list1,list2,list3=['hello','welcome','to','python'],['test','your','knowledge'],['let's','see','how','far','you','can','think']

print(list1+list2)

#write code to print above 2 list a single prara.(sentence should seprated by .)

Q. write a python code to