PYTHON

1 A.

PROGRAM:

a=[(1,2,3),(4,5,6)]

b=[]

for i in a:

sum=0

for j in i:

sum+=j

b.append(sum)

print(b)

OUTPUT:

[6, 15]

1 B.

PROGRAM:

d={"key1":"abc","key2":"123"}

print("Combinations")

for i in d["key1"]:

for j in d["key2"]:

print(i+j)

OUTPUT:

Combinations

a1

a2

a3

b1

b2

b3

c1

c2

c3

1C.

PROGRAM:

l=[1,2,3]

print("All possible combinations")

for i in l:

for j in l:

print(f"({i},{j})")

OUTPUT:

All possible combinations

(1,1)

(1,2)

(1,3)

(2,1)

(2,2)

(2,3)

(3,1)

(3,2)

(3,3)