Lab2-1:

Array_A = [5,7,9,11,13]

SumArray_A = 0

print(("ArrayA= ")+str(Array_A))

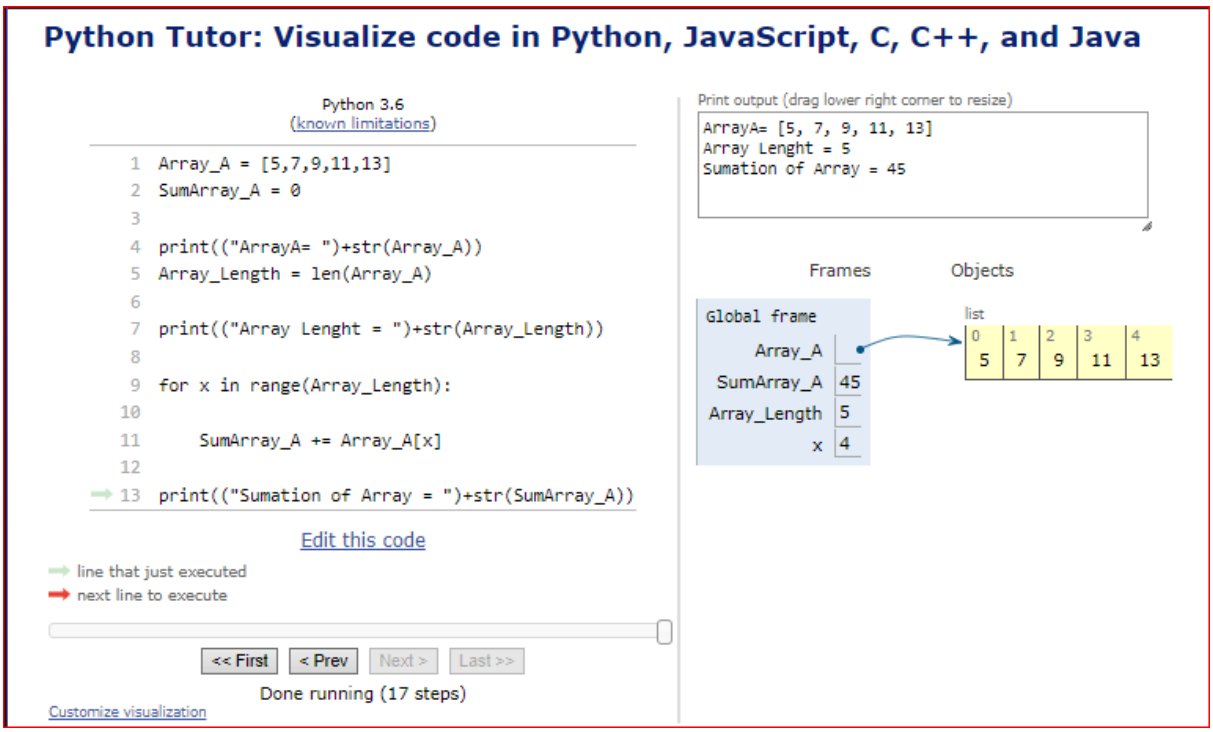
Array_Length = len(Array_A)

print(("Array Lenght = ")+str(Array_Length))

for x in range(Array_Length):

    SumArray_A += Array_A[x]

print(("Sumation of Array = ")+str(SumArray_A))



Lab2-2:

```
Array_A = [7,5,10,14,3,9,7]
Array_B = [9,10,3,4,2,5,7,1]
Array_C = []
ValueA = 0
ValueB = 0
ValueC = 0

print(("ArrayA = ")+str(Array_A))
print(("ArrayB = ")+str(Array_B))

Array_LengthA = len(Array_A)
Array_LengthB = len(Array_B)
print(("Array LenghtA = ")+str(Array_LengthA))
print(("Array LenghtB = ")+str(Array_LengthB))

ValueA = Array_A.count(7)
ValueB = Array_B.count(7)

print(("7 in ArrayA = ")+str(ValueA))
print(("7 in ArrayB = ")+str(ValueA))

Array_A.append(1)
Array_B.append(14)

Array_C = Array_A.copy()

Array_C.extend(Array_B)
```

ValueC = Array_C.count(7)

Array_C.sort()

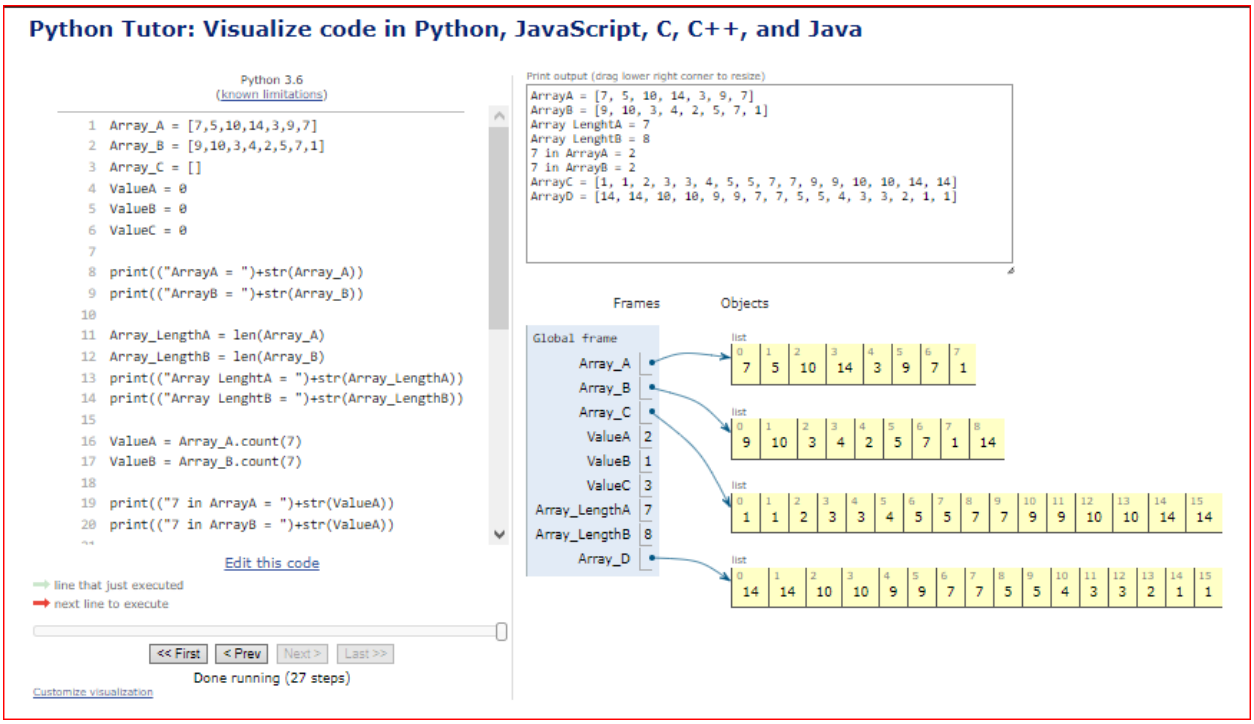
Array_C.remove(7)

Array_D = Array_C.copy()

Array_D.reverse()

print(("ArrayC = ")+str(Array_C))

print(("ArrayD = ")+str(Array_D))



Lab2-3:

Array_A= ["Number ID","Name","Count"]

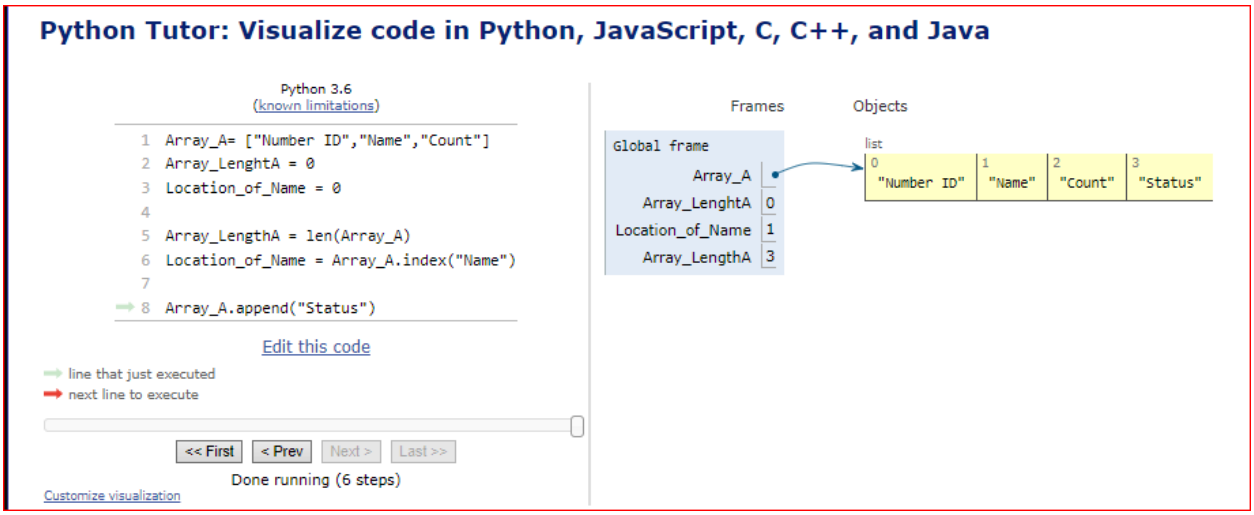
Array_LenghtA = 0

Location_of_Name = 0

Array_LengthA = len(Array_A)

Location_of_Name = Array_A.index("Name")

Array_A.append("Status")



Lab2-4:

Array_A= [["Number ID","Name","Count","Status"],]

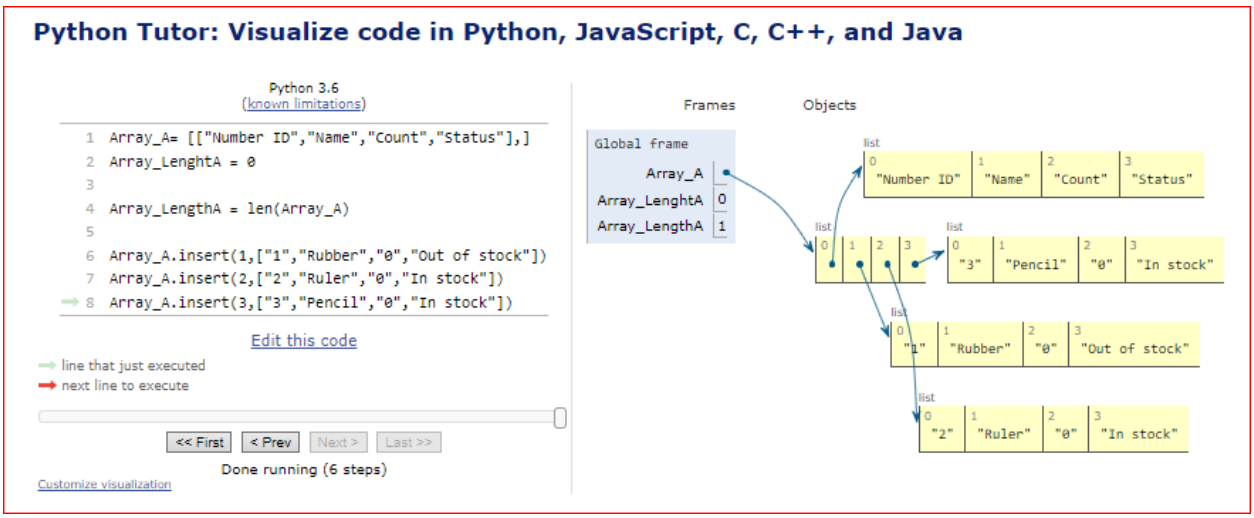
Array_LenghtA = 0

Array_LengthA = len(Array_A)

Array_A.insert(1,["1","Rubber","0","Out of stock"])

Array_A.insert(2,["2","Ruler","0","In stock"])

Array_A.insert(3,["3","Pencil","0","In stock"])



Lab2-5:

```
Array_A= [["Number ID","Name","Count","Status"],]

Array_A.insert(1,["1","Rubber","0","Out of stock"])
Array_A.insert(2,["2","Ruler","5","In stock"])
Array_A.insert(3,["3","Pencil","1","In stock"])

Array_A.insert(4,["4","Pen","10","In stock"])
Array_A.insert(5,["5","Colour Pencil","5","In stock"])
Array_A.insert(6,["6","A4 Paper","0","Out of stock"])

print("----------In Stock----------")
for x in Array_A:
    if x[3] == "In stock":
        print(x)
print("----------Out of Stock----------")
for x in Array_A:
    if x[3] == "Out of stock":
        print(x)



#("----------Cut Stock----------")
Array_A[2][2] = 4
Array_A[3][2] = 0
Array_A[4][2] = 8
Array_A[5][2] = 4

Array_A[3][3] = "Out of stock"
```

```
print("---------------Stock--------------------")
for x in Array_A:
    print(x)
```