**Q1:**

print (type('a'))

print(type('abcd'))

print(type(u'abcd'))

print(type("x"))

print(type("yz"))

print(type(122))

print(type(02)) - ERROR

print(type(09)) - ERROR

print(type(0x2))

print(type(True))

print(type(true)) - ERROR

print(type((1,2)))

print(type(["1", 2]))

print(type({123: "abc", 345: “alive"}))

**Output:**

<class 'str'>

<class 'str'>

<class 'str'>

<class 'str'>

<class 'str'>

<class 'int'>

<class 'int'>

<class 'bool'>

<class 'tuple'>

<class 'list'>

<class ‘dict'>

**Q2:**

x = "a"

y = "a"

print(id(x))

print(id(y))

x = "another string"

y = "another string"

print(id(x))

print(id(y))

**Output:**

140259482601200

140259482601200

140259483530288

140259483530288

**Q3:**

myList = [1,2,3,4,5,6]

print(myList)

print(myList[::-1])

length=len(myList)

for i in range(length):

print(myList[length-i-1])

import random

for i in range(0,10):

x = random.randint(1,100)

myList.append(x)

print(myList)

myList = [1,2,3,4,5,6]

myList1 = [200,300]

myList = myList + myList1

print (myList)

myList.pop()

print (myList)

**Output:**

[1, 2, 3, 4, 5, 6]

[6, 5, 4, 3, 2, 1]

6

5

4

3

2

1

[1, 2, 3, 4, 5, 6, 87, 47, 89, 59, 62, 68, 73, 46, 82, 92]

[1, 2, 3, 4, 5, 6, 200, 300]

[1, 2, 3, 4, 5, 6, 200]

**Q4:**

myList = [1,2,3,4,5,6]

new\_dic = {}

for i in range (0,6):

new\_dic[i] = myList[i]

print (new\_dic)

**Output:**

{0: 1, 1: 2, 2: 3, 3: 4, 4: 5, 5: 6}