**Task(16-12-24)**

**1.create a list.**

**Code:**

list\_a = ['gopi',2.3,'puropale',23,2001]

**2.Access list items.**

**Code:**

length = len(list\_a)  
for i in range(length):  
 print(list\_a[i])

**output:**

gopi

2.3

puropale

23

2001

**3.change the listitems.**

**Code:**

list\_a = ['gopi',2.3,'puropale',23,2001]

list\_a[2] = 40  
print(list\_a)

**output:**

['gopi', 2.3, 40, 23, 2001]

**4.replace the values**

**Code:**

list\_a = ['gopi',2.3,'puropale',23,2001]

list\_a[2] = 120  
print(list\_a)

**Output:**

['gopi', 2.3, 120, 23, 2001]

**5.append operations**

**Code:**

list\_a = ['gopi',2.3,'puropale',23,2001]

list\_a.append(20)  
list\_b = ['mani','santosh','jeevan']  
list\_a.append(list\_b)

**Output:**

['gopi', 2.3, 120, 23, 2001, 20, ['mani', 'santosh', 'jeevan']]

**6.extend items to a list.**

**Code:**

list\_a.extend(['hari',20])  
print(list\_a)

**Output:**

['gopi', 2.3, 120, 23, 2001, 20, ['mani', 'santosh', 'jeevan'], 'hari', 20]

**7. insert new items to the list.**

**Code:**

list\_a.insert(1,'navya')  
print(list\_a)

**output:**

['gopi', 'navya', 2.3, 120, 23, 2001, 20, ['mani', 'santosh', 'jeevan'], 'hari', 20]

**8.remove items from the list.**

**Code:**

list\_a.remove(20)

**output:**

['gopi', 'navya', 2.3, 120, 23, 2001, ['mani', 'santosh', 'jeevan'], 'hari', 20]

**9.clearing the entire list.**

**Code:**

list\_a.clear()  
print(list\_a)

**output:**

**[]**