***CREATING A LIST FOR LIBRARY AND USING ALL LIST FUNCTIONS***

***PROGRAM CODE:***

list1=["Kinder books","101","20/11/2022"]

print(list1)

list1.append("CSE")

print(list1)

list1.extend(["James"])

print(list1)

list1.insert(1,"2/12/22")

print(list1)

list1[2]="issued"

print(list1)

list1.remove("issued")

print(list1)

print(list1[1:5])

list1.pop(3)

print(list1)

***OUTPUT:***

['Kinder books', '101', '20/11/2022']

['Kinder books', '101', '20/11/2022', 'CSE']

['Kinder books', '101', '20/11/2022', 'CSE', 'James']

['Kinder books', '2/12/22', '101', '20/11/2022', 'CSE', 'James']

['Kinder books', '2/12/22', 'issued', '20/11/2022', 'CSE', 'James']

['Kinder books', '2/12/22', '20/11/2022', 'CSE', 'James']

['2/12/22', '20/11/2022', 'CSE', 'James']

['Kinder books', '2/12/22', '20/11/2022', 'James']

***CREATING A TUPLE FOR COMPONENTS OF CAR AND USING TUPLE FUNCTIONS***

***PROGRAM CODE:***

Tesla=("Engine","Battery","TN590402","Air Bags")

KIA=("Engine","Battery","TN593042","Air Bags","Seat belts")

print(Tesla)

print(KIA)

print(len(KIA))

print(len(Tesla))

print(Tesla[1:3])

print(Tesla+KIA)

print(KIA[-1:-2])

print(KIA\*2)

***OUTPUT:***

('Engine', 'Battery', 'TN590402', 'Air Bags')

('Engine', 'Battery', 'TN593042', 'Air Bags', 'Seat belts')

5

4

('Battery', 'TN590402')

('Engine', 'Battery', 'TN590402', 'Air Bags', 'Engine', 'Battery', 'TN593042', 'Air Bags', 'Seat belts')

()

('Engine', 'Battery', 'TN593042', 'Air Bags', 'Seat belts', 'Engine', 'Battery', 'TN593042', 'Air Bags', 'Seat belts')