**6. Write a program to demonstrate working with tuples in python**

# creating tuples with college names..

colleges = ("SIIET","BHARAT","GNIT", "AVN")

print("the lists in colleges tuple is",colleges)

print("we can\'t add or remove new elements in a tuple")

print("length of the tuple colleges is:",len(colleges))

# checking whether 'SIIET' is present in the tuple or not

if "SIIET" in colleges:

print("Yes, 'SIIET' is in the colleges tuple")

**Out Put:**

the lists in colleges tuple is ('SIIET', 'BHARAT', 'GNIT', 'AVN')

we can't add or remove new elements in a tuple

length of the tuple colleges is: 4

Yes, 'SIIET' is in the colleges tuple

**7. Write a program to demonstrate working with dictionaries in python.**

dict1 = {'StdNo':'532','StuName': 'Naveen', 'StuAge': 21, 'StuCity': 'Hyderabad'}

print("\n Dictionary is :",dict1)

#Accessing specific values

print("\n Student Name is :",dict1['StuName'])

print("\n Student City is :",dict1['StuCity'])

#Display all Keys

print("\n All Keys in Dictionary ")

for x in dict1:

print(x)

#Display all values

print("\n All Values in Dictionary ")

for x in dict1:

print(dict1[x])

#Adding items

dict1["Phno"]=85457854

#Updated dictoinary

print("\n Uadated Dictionary is :",dict1)

#Change values

dict1["StuName"]="Madhu"

#Updated dictoinary

print("\n Uadated Dictionary is :",dict1)

#Removing Items

dict1.pop("StuAge");

#Updated dictoinary

print("\n Uadated Dictionary is :",dict1)

#Length of Dictionary

print("Length of Dictionary is :",len(dict1))

#Copy a Dictionary

dict2=dict1.copy()

#New dictoinary

print("\n New Dictionary is :",dict2)

#empties the dictionary

dict1.clear()

print("\n Uadated Dictionary is :",dict1)

**Output:**

Dictionary is : {'StdNo': '532', 'StuName': 'Naveen', 'StuAge': 21, 'StuCity': 'Hyderabad'}

Student Name is : Naveen

Student City is : Hyderabad

All Keys in Dictionary

StdNo

StuName

StuAge

StuCity

All Values in Dictionary

532

Naveen

21

Hyderabad

Uadated Dictionary is : {'StdNo': '532', 'StuName': 'Naveen', 'StuAge': 21, 'StuCity': 'Hyderabad', 'Phno': 85457854}

Uadated Dictionary is : {'StdNo': '532', 'StuName': 'Madhu', 'StuAge': 21, 'StuCity': 'Hyderabad', 'Phno': 85457854}

Uadated Dictionary is : {'StdNo': '532', 'StuName': 'Madhu', 'StuCity': 'Hyderabad', 'Phno': 85457854}

Length of Dictionary is : 4

New Dictionary is : {'StdNo': '532', 'StuName': 'Madhu', 'StuCity': 'Hyderabad', 'Phno': 85457854}

Uadated Dictionary is : {}

**8. Write a python program to find largest of three numbers.**

num1 = int(input("Enter first number: "))

num2 = int(input("Enter second number: "))

num3 = int(input("Enter third number: "))

if (num1 > num2) and (num1 > num3):

largest = num1

elif (num2 > num1) and (num2 > num3):

largest = num2

else:

largest = num3

print("The largest number is",largest)

**Output:**

Enter first number: 54

Enter second number: 43

Enter third number: 78

The largest number is 78