Activity 1.27

**#code 1**

tuple1=()

tuple2=(1, 2, 3)

tuple3=(1, "Hello", 3.4)

tuple4=("mouse", [8, 4, 6], (1, 2, 3))

print(tuple1)

print(tuple2)

print(tuple3)

print(tuple4)

**#output**

[Running] python -u "c:\Users\user\Desktop\python\act1.27\tempCodeRunnerFile.py"

()

(1, 2, 3)

(1, 'Hello', 3.4)

('mouse', [8, 4, 6], (1, 2, 3))

[Done] exited with code=0 in 0.653 seconds

**#code 2**

my\_tuple=3,4.6,"God"

print(my\_tuple)

a,b,c=my\_tuple

print(a)

print(b)

print(c)

**#output**

[Running] python -u "c:\Users\user\Desktop\python\act1.27\tempCodeRunnerFile.py"

(3, 4.6, 'God')

3

4.6

God

[Done] exited with code=0 in 0.832 seconds

**#code 3**

college\_list=[]

college\_tuple=()

num=int(input("Enter the number of Engeering Colleges you want to add in Tuple : "))

*for* i *in* range(1,num+1):

    col=input("Enter the name of college {} : ".format(i))

*if* col not in college\_list:

        college\_list.append(col)

        college\_tuple=tuple(college\_list)

        print(college\_tuple)

**#code 4**

college\_list=[]

college\_tuple=()

col=int(input("Enter the number of colleges you want to tuple : "))

print("Enter name of College : ")

i=1

*while* i<=col:

    n=input("Name {} :".format(i))

*if* n not in college\_list:

        college\_list.append(n)

*else*:

        print("This is already entered !! Try another name")

*continue*

    college\_tuple=tuple(college\_list)

    print(college\_tuple)

    i+=1

**#code 5**

number\_tuple=()

number\_list=[]

*for* i *in* range(100,200):

*if* i%2==0:

        number\_list.append(i)

        number\_tuple=tuple(number\_list)

        print(number\_tuple)

**#code 6**

my\_tuple=('p','r','o','g','r','a','m','i','z')

print(my\_tuple[1:4])

print(my\_tuple[0:2])

print(my\_tuple[-2:])

print(my\_tuple)

**#output**

[Running] python -u "c:\Users\user\Desktop\python\act1.27\tempCodeRunnerFile.py"

('r', 'o', 'g')

('p', 'r')

('i', 'z')

('p', 'r', 'o', 'g', 'r', 'a', 'm', 'i', 'z')

[Done] exited with code=0 in 1.019 seconds

**#code 7**

my\_tuple=(4, 2, 3, [6, 5])

print(my\_tuple)

my\_tuple=('p','r','o','g','r','a','m','i','z')

print(my\_tuple)

**#output**

[Running] python -u "c:\Users\user\Desktop\python\act1.27\tempCodeRunnerFile.py"

(4, 2, 3, [6, 5])

('p', 'r', 'o', 'g', 'r', 'a', 'm', 'i', 'z')

[Done] exited with code=0 in 1.081 seconds

**#code 8**

my\_tuple=(4, 2, 3, [6, 5])

my\_tuple[1]=9

**#output**

[Running] python -u "c:\Users\user\Desktop\python\act1.27\tempCodeRunnerFile.py"

Traceback (most recent call last):

  File "c:\Users\user\Desktop\python\act1.27\tempCodeRunnerFile.py", line 2, in <module>

    my\_tuple[1]=9

TypeError: 'tuple' object does not support item assignment

[Done] exited with code=1 in 3.086 seconds

**#code 9**

my\_tuple=(4, 2, 3, [6, 5])

my\_tuple[3][0]=9

print(my\_tuple)

**#output**

[Running] python -u "c:\Users\user\Desktop\python\act1.27\8b.py"

(4, 2, 3, [9, 5])

[Done] exited with code=0 in 0.765 seconds

**#code 10**

print((1, 2, 3)+(4, 5, 6))

('Repeat','Repeat','Repeat')

print(("India",)\*3)

**#output**

[Running] python -u "c:\Users\user\Desktop\python\act1.27\tempCodeRunnerFile.py"

(1, 2, 3, 4, 5, 6)

('India', 'India', 'India')

[Done] exited with code=0 in 1.121 seconds

**#code 11**

my\_tuple=('a','p','p','l','e')

print(my\_tuple.count('p'))

print(my\_tuple.count('e'))

print(my\_tuple.index('p'))

print(my\_tuple.index('e'))

**#output**

[Running] python -u "c:\Users\user\Desktop\python\act1.27\tempCodeRunnerFile.py"

2

1

1

4

[Done] exited with code=0 in 1.823 seconds