Activity 1.27

#code 1

```python
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

```python
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

```python
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

```python
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

```python
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

```python
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

```python
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

```python
my_tuple=(4, 2, 3, [6, 5])
my_tuple[1]=9
```

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#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
```

4 | P a g e

#code 11

```python
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
```