1)#Python program to pack and unpack tuples.

a = ("GECBH", 5000, "Engineering")

(college, student, course) = a

print(college)

print(student)

print(course)

2) #Python program to swap two numbers using tuple.

a=int(input("Enter the first number :"))

b=int(input("Enter the second number :"))

print ("a=",a, "b=",b)

(a,b)=(b,a)

print("a=",a, "b=",b)

3) #Python program to concatenate two tuples.

x = ("a", "b" , "c")

y = (1, 2, 3)

z = x + y

print(z)

4) #Python program to read and print values of tuples from console I/O.

values = input("Input some comma seprated numbers : ")

list = values.split(",")

tuple = tuple(list)

print('Tuple : ',tuple)

5) #Python program to convert a tuple into a string.

tup = ('M', 'e', 'e', 'n', 'u')

str = ''.join(tup)

print(str)

6) #Python program to search a particular element in a tuple.

Input = [(14, 3),(23, 41),(33, 62),(1, 3),(3, 3)]

Output = [item for item in Input

if item[0] == 3]

print(Output)

7) # Python program to print the sum of all elements of a tuple.

test\_tup = (7, 8, 9, 1, 10, 7)

res = sum(list(test\_tup))

print("The summation of tuple elements are : " + str(res))

8) #Python program to print the sorted order of a tuple.

strs = ['aa', 'dd', 'zz', 'cc', 'pp']

print (sorted(strs) )

9) #Python program to find duplicate items in an input tuple.

tuplex = 2, 4, 5, 6, 2, 3, 4, 4, 7

print(tuplex)

count = tuplex.count(4)

print(count)

10) #Create a tuple with 20 numbers. Write a Python program to print another tuple whose values are even numbers from the first tuple.

a = (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20)

b=list()

for i in a:

if a[i-1]%2==0:

b.append(a[i-1])

c = tuple(b)

print(c)