20.08.24 HOME TASK

#Question 1

```
grades={"Rakshana" :[86,87,89],"Anu" : [96,97,98]}

#adding new grade

if "Makila" in grades:
    print(grades["Makila"])
else:
    grades["Makila"]=[88,85,95]
print(grades)

#calculating average grade

student=str(input("Enter the name of the student : "))
if student in grades:
    student_grade=grades[student]
    average=sum(student_grade)/len(grades)
    print("Average grade : ",average)
else:
    print("No such student found")

#removing student and their grades

s=str(input("Enter the name of the student : "))
if s in grades:
    grades.pop(s)
    print(grades)
else:
    print("Student not found")
```

#Question 2

```
#a
t=tuple((88,))
print("Tuple : ",t)


#b
n=int(input())
print(t*n)
```

```
#c
tup=(12,34,56,78)
index=tup.index(56)
print("Index of element 56 is ",index)

#d
tup=(23,45,67)
l=list(tup)
l[2]=44
T=tuple(l)
print("Modified tuple : ",T)

#e
tup=(9,8,7)
string=str(tup)
print(string)

#f
tup=(98,97,96,95)
maximum=max(tup)
print("Maximum : ",maximum)
minimum=min(tup)
print("Minimum : ",minimum)

#g
tup=(98,96,97,96,95,96)
count=tup.count(96)
print("Count : ",count)

#h
nested_tuple=((9,8,7),(6,5),(4,))
print("Nested tuple : ",nested_tuple)

#i
nested_tuple=((9,8,7),(6,5),(4,))
for i in nested_tuple:
    print(i)
l=list(nested_tuple)

#j
l.pop(2)
t=tuple(l)
```

```
print("Remaining element : ",t)
```