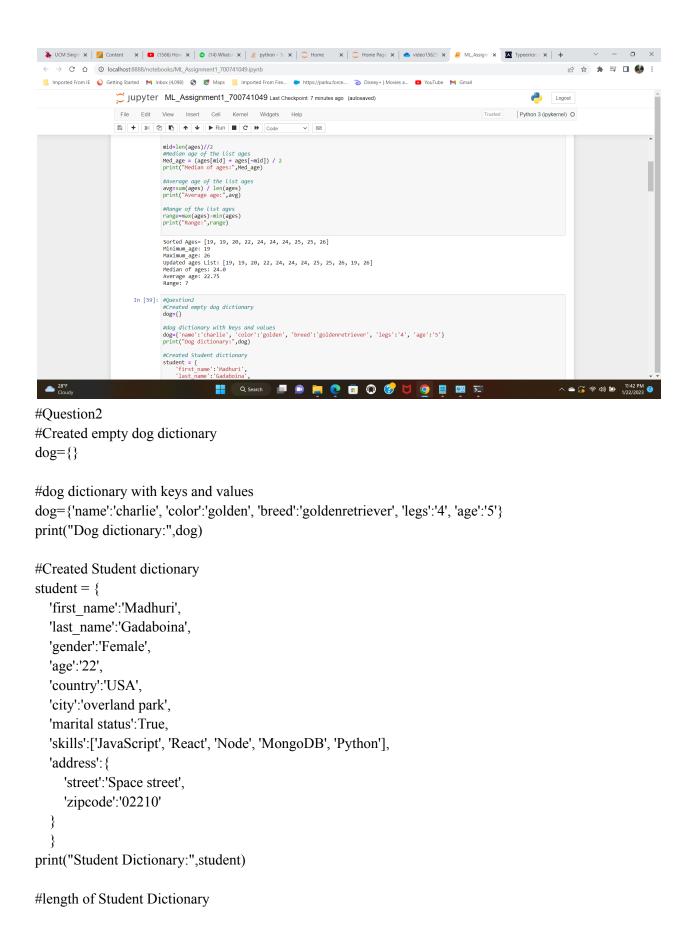
ASSIGNMENT 1

```
#Question1
#list of ages
ages = [19, 22, 19, 24, 20, 25, 26, 24, 25, 24]
#Sorting the list ages(default)
ages.sort()
print("Sorted Ages=",ages)
#Min age from the list ages
min age=min(ages)
print("Minimum age:",min age)
#Max age from the list ages
max age=max(ages)
print("Maximum age:",max age)
#Add min age and max age to the list ages
ages.append(min_age)
ages.append(max age)
print("Updated ages List:",ages)
mid=len(ages)//2
#Median age of the list ages
Med age = (ages[mid] + ages[\sim mid]) / 2
print("Median of ages:",Med age)
#Average age of the list ages
avg=sum(ages) / len(ages)
print("Average age:",avg)
#Range of the list ages
range=max(ages)-min(ages)
print("Range:",range)
```

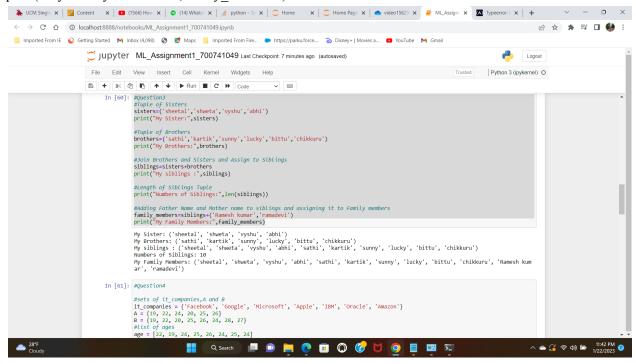


```
print("Length of Student Dictionary:",len(student))
#Getting the value of skills
print("value of skills:",student['skills'])
#checking its data type
print("Datatype of Skills:",type(student['skills']))
#Added Values to Skills
student['skills'].append('HTML')
keys = student.keys()
print("Student Keys:",keys)
values = student.values()
print("Student Values:",values)
  🗼 UCM Single: X 🛮 Content: X 🐧 🗖 (1566) How: X 🐧 (1566) How: X 📗 (1566) How: X 👢 (1566) How: X — (1566) How: X 
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                                                  File Edit View Insert Cell Kernel Widgets Help
                                                 #checking its data type
print("Datatype of Skills:",type(student['skills']))
                                                                            #Added Values to Skills
student['skills'].append('HTML')
                                                                            keys = student.keys()
print("student_keys:",keys)
values = student.values()
print("student_values:",values)
                                                                            Dog dictionary: { name': 'charlie', 'color': 'golden', 'breed': 'goldenretriever', 'legs': '4', 'age': '5'}
Student Dictionary: { 'first name': 'Madhuri', 'last_name': 'Gadaboina', 'gender': 'Female', 'age': '22', 'country': 'USA', 'cit
y': 'overland park', 'marital status': True, 'skills': ['JavaScript', 'React', 'Node', 'MongoD8', 'Python'], 'address': { 'stree
t': 'Space street', 'zipcode': '02210'}}
Length of Student Dictionary: 9
value of skills: 'JavaScript', 'React', 'Node', 'MongoD8', 'Python']
Datatype of Skills: (JavaScript', 'React', 'Node', 'MongoD8', 'Python']
Student Keys: dict Keys(['first_name', 'last_name', 'gender', 'age', 'country', 'city', 'marital status', 'skills', 'address'])
Student Keys: dict Kues(['Madhuri', 'Gadaboina', 'Female', '22', 'USA', 'overland park', True, ['JavaScript', 'React', 'Nod
e', 'MongoD8', 'Python', 'HTML'], {'street': 'Space street', 'zipcode': '02210'}])
                                                          In [60]: #Question3
#Tuple of Sisters
sisters=('sheetal','shweta','vyshu','abhi')
print("My Sister:",sisters)
                                                                             #Tuple of Brothers
brothers=('sathi','kartik','sunny','lucky','bittu','chikkuru')
print("My Brothers:",brothers)
                                                                              #Join Brothers and Sisters and Assign to Siblings
siblings=sisters+brothers
print("My siblings;",siblings)
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#Question3
#Tuple of Sisters
sisters=('sheetal','shweta','vyshu','abhi')
print("My Sister:",sisters)
#Tuple of Brothers
brothers=('sathi', 'kartik', 'sunny', 'lucky', 'bittu', 'chikkuru')
print("My Brothers:",brothers)
#Join Brothers and Sisters and Assign to Siblings
siblings=sisters+brothers
```

print("My siblings :",siblings)

#Length of Siblings Tuple print("Numbers of Siblings:",len(siblings))

#Adding Father Name and Mother name to siblings and assigning it to Family members family_members=siblings+('Ramesh kumar','ramadevi')
print("My Family Members:",family members)



#Question3
#Tuple of Sisters

sisters=('sheetal','shweta','vyshu','abhi')

print("My Sister:",sisters)

#Tuple of Brothers

brothers=('sathi','kartik','sunny','lucky','bittu','chikkuru')

print("My Brothers:",brothers)

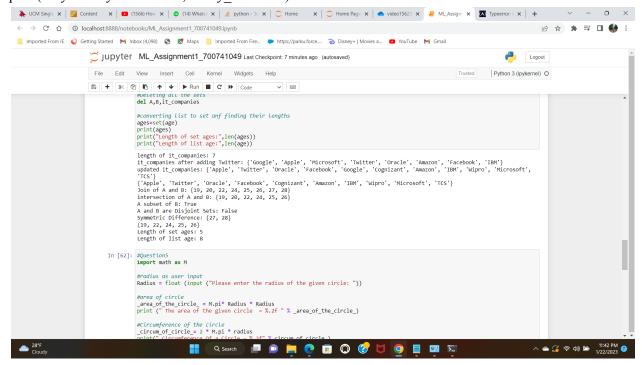
#Join Brothers and Sisters and Assign to Siblings siblings=sisters+brothers

print("My siblings :",siblings)

#Length of Siblings Tuple print("Numbers of Siblings:",len(siblings))

#Adding Father Name and Mother name to siblings and assigning it to Family members family members=siblings+('Ramesh kumar','ramadevi')

print("My Family Members:",family members)

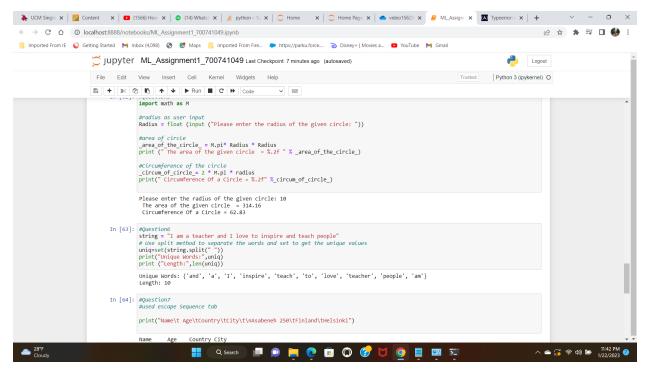


#Question5 import math as M

#radius as user input

Radius = float (input ("Please enter the radius of the given circle: "))

```
#area of circle
_area_of_the_circle_ = M.pi* Radius * Radius
print (" The area of the given circle = %.2f " % _area_of_the_circle_)
#Circumference of the circle
_circum_of_circle_ = 2 * M.pi * radius
print(" Circumference Of a Circle = %.2f" % circum of circle )
```



#Question6

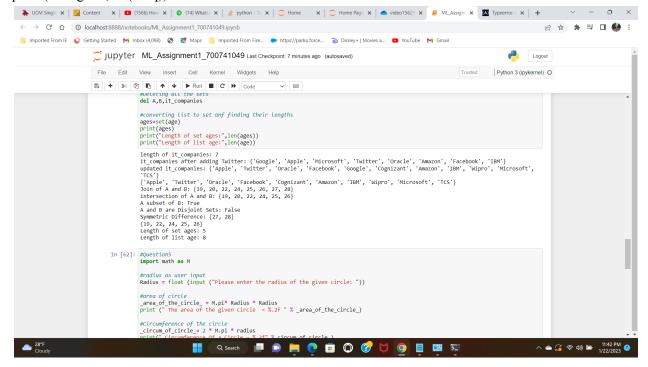
string = "I am a teacher and I love to inspire and teach people"

Use split method to separate the words and set to get the unique values

uniq=set(string.split(" "))

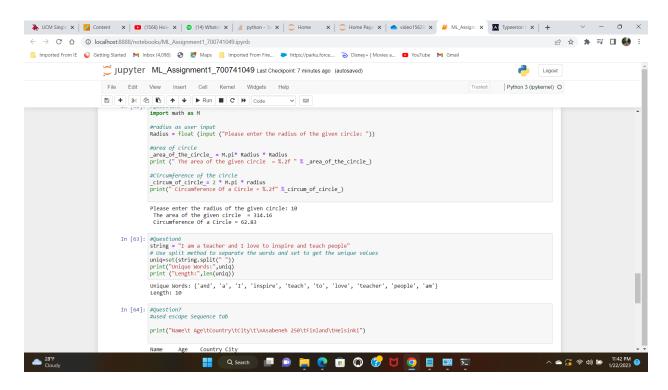
print("Unique Words:",uniq)

print ("Length:",len(uniq))

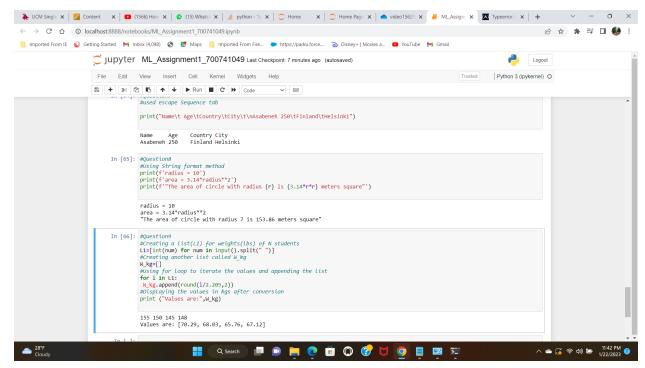


#Question7 #used escape Sequence tab

print("Name\t Age\tCountry\tCity\t\nAsabeneh 250\tFinland\tHelsinki")



#Question8 #Using String format method print(f'radius = 10') print(f'area = 3.14*radius**2') print(f"The area of circle with radius {r} is {3.14*r*r} meters square"')



#Ouestion9

#Creating a list(L1) for weights(lbs) of N students

L1=[int(num) for num in input().split(" ")]

#Creating another list called W_kg

 $W_kg=[]$

#Using for loop to iterate the values and appending the list

for i in L1:

W_kg.append(round(i/2.205,2))

#Displaying the values in kgs after conversion print ("Values are:",W kg)

10

