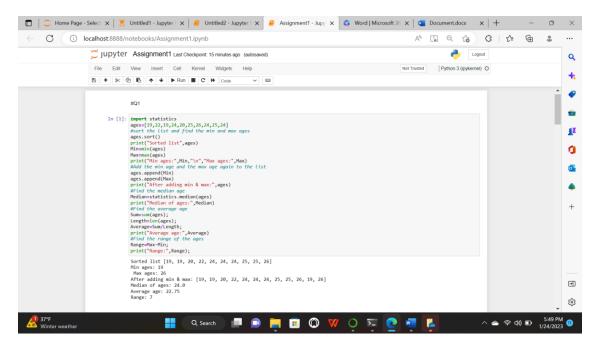
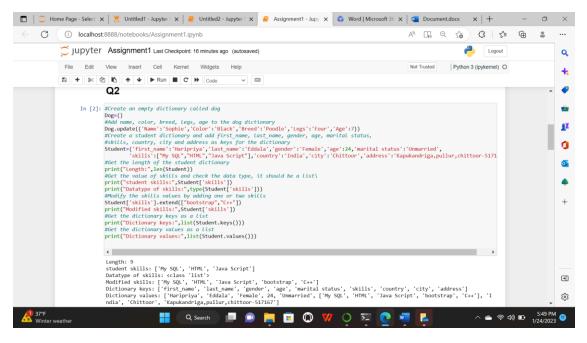
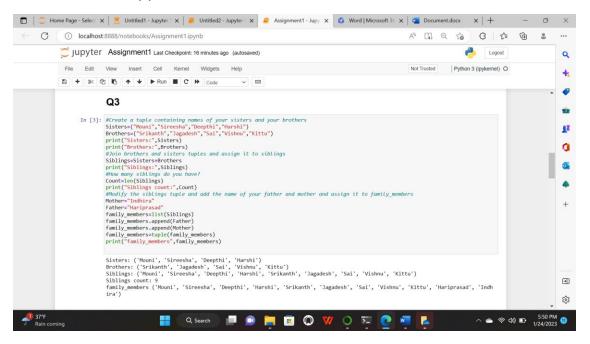
- I have imported statistics library.
- The Input list is given, and it is sorted by using sort method.
- Min and Max methods are found and added to the ages list.
- The median of the list is found using the median method from statistics library.
- The average value of a list is calculated using sum of the elements of the list and length of the list.
- The range of the list is found using the difference between Min and Max values.



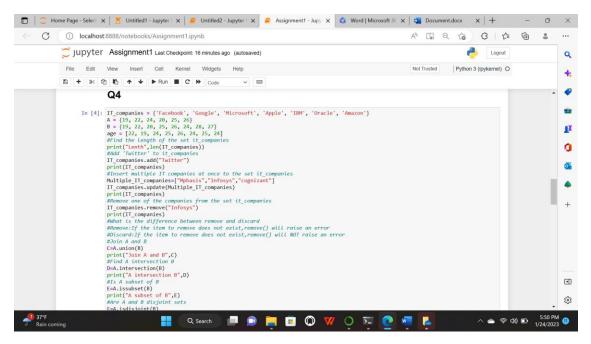
- Created an empty dictionary named 'Dog' and added keys and values according to the given input.
- Created a 'Student' dictionary with the keys and values as given in the input.
- Performed the operations such as length of the dictionary, accessing the values of dictionary using keys, modifying values

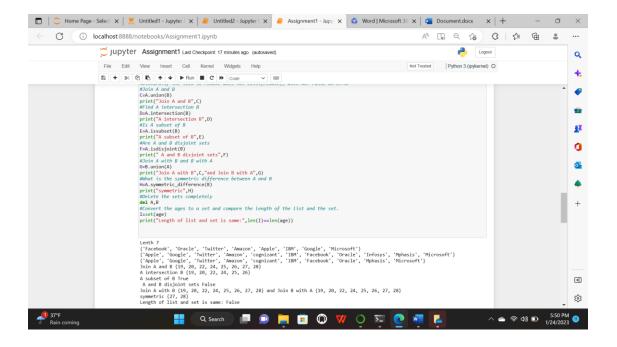


- Created two separate tuples named sisters and brothers with elements.
- Joined those two tuples and assigned it to the siblings tuple.
- Created two variables mother and father and assigned values to them.
- Created a list named family\_members, assigned siblings (converted to list) to it and appended mother and father values.

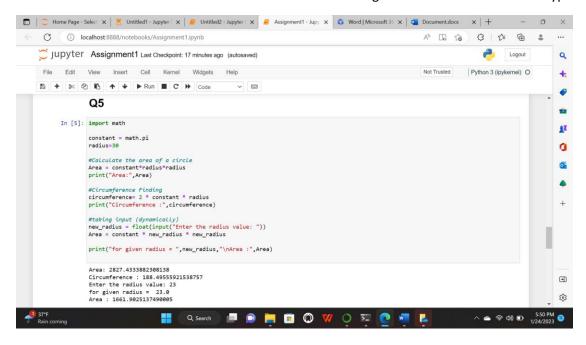


- Created sets named IT Companies, A, B, age and assigned values.
- Performed length and add operations on set IT Companies.
- Inserted and removed values to the set using update and remove method.
- Performed set operations like union, intersection, is subset, is disjoint, symmetric difference.





- Imported Math library
- Created variables named constant (pi=3.14 imported from math) and radius (value is 30)
- Calculated area and circumference of the circle using formulae with int and float type radius.

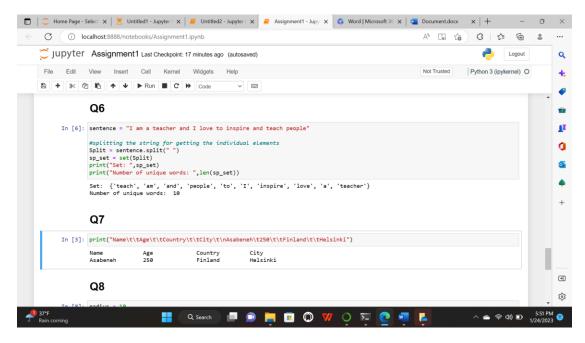


# **Question 6**

- Created a string named sentence.
- Words of the string are separated using split method and using the set method unique words are found.

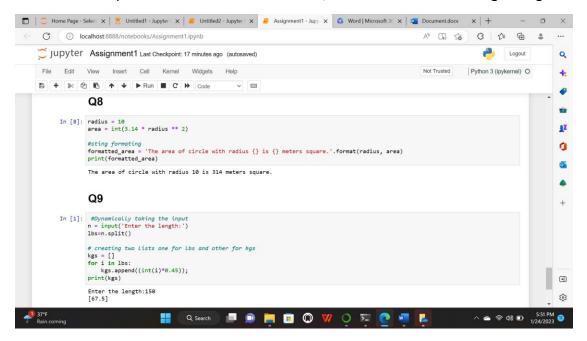
## **Question 7**

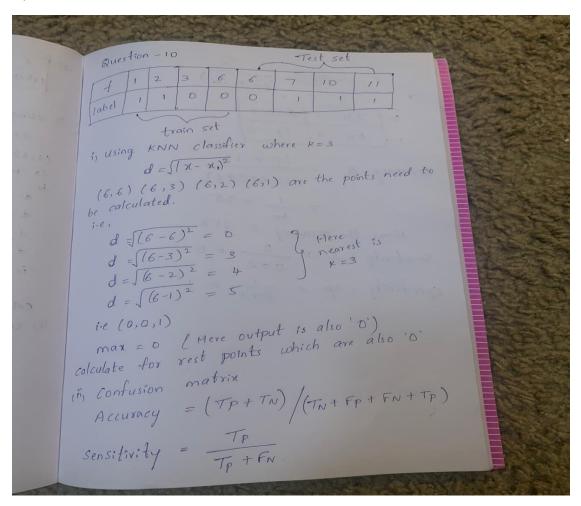
• Used the tab escape sequence to get the required output.



 Area of the circle is calculated and displayed the output string using the string format method.

- Input values are given in the form of string, the values are separated using split method and converted to integer values.
- Given input values are in the form of lbs, those are converted to Kgs using the formula.





```
Specificity = (fp + TN)

O = TN = 1 | FP = 0

FN = 3 | TP = 0

(1 + 0 + 3 + 0)

Hence the accuracy is 25\%.

Sensitivity, S = O = O

Specificity, SP = O = O
```