# sets

it\_companies = {'Facebook', 'Google', 'Microsoft', 'Apple', 'IBM', 'Oracle', 'Amazon'}

A = {19, 22, 24, 20, 25, 26}

B = {19, 22, 20, 25, 26, 24, 28, 27}

age = [22, 19, 24, 25, 26, 24, 25, 24]

### Exercises: Level 1

1. Find the length of the set it\_companies
2. Add 'Twitter' to it\_companies
3. Insert multiple IT companies at once to the set it\_companies
4. Remove one of the companies from the set it\_companies
5. What is the difference between remove and discard

### Exercises: Level 2

1. Join A and B
2. Find A intersection B
3. Is A subset of B
4. Are A and B disjoint sets
5. Join A with B and B with A
6. What is the symmetric difference between A and B
7. Delete the sets completely

### Exercises: Level 3

1. Convert the ages to a set and compare the length of the list and the set, which one is bigger?
2. I am a teacher and I love to inspire and teach people. How many unique words have been used in the sentence? Use the split methods and set to get the unique words.