**Exercise:**

1. Declare an empty list
2. Declare a list with more than 5 items
3. Find the length of your list
4. Get the first item, the middle item and the last item of the list
5. Declare a list called mixed\_data\_types, put your(name, age, height, marital status, address)
6. Print the list using print()
7. Declare a list variable named it\_companies and assign initial values Facebook, Google, Microsoft, IBM, and Amazon.
8. Add an IT company to it\_companies (Oracle)
9. Insert an IT company in the middle of the companies list(Apple)
10. Change one of the it\_companies names to uppercase (IBM excluded!)
11. Check if a certain company exists in the it\_companies list.
12. Sort the list using sort() method
13. Reverse the list in descending order using reverse() method
14. Slice out the first 3 companies from the list
15. Slice out the last 3 companies from the list
16. Slice out the middle IT company or companies from the list
17. Remove the first IT company from the list
18. Remove the middle IT company or companies from the list
19. Remove the last IT company from the list
20. Remove all IT companies from the list
21. Destroy the IT companies list
22. Join the following lists  and assign it to a variable full\_stack.

front\_end = ['HTML', 'CSS', 'JS', 'React', 'Redux']

back\_end = ['Node','Express', 'MongoDB']

**Exercise:**

1. The following is a list of 10 students ages:

ages = [19, 22, 19, 24, 20, 25, 26, 24, 25, 24]

* Sort the list and find the min and max age
* Add the min age and the max age again to the list
* Find the median age (one middle item or two middle items divided by two)
* Find the average age (sum of all items divided by their number )
* Find the range of the ages (max minus min)
* Compare the value of (min - average) and (max - average), use *abs()* method
* Find the middle country(ies) in the [countries list](https://github.com/Asabeneh/30-Days-Of-Python/tree/master/data/countries.py)
* Divide the countries list into two equal lists if it is even if not one more country for the first half.
* ['China', 'Russia', 'USA', 'Finland', 'Sweden', 'Norway', 'Denmark']. Unpack the first three countries and the rest as scandic countries.