

Date:27<sup>th</sup> May 2024

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. Declare a list variable named `it_companies` and assign initial values Facebook, Google, Microsoft, Apple, IBM, Oracle and Amazon.
7. Print the list using `print()`
8. Print the number of companies in the list
9. Print the first, middle and last company
10. Print the list after modifying one of the companies
11. Add an IT company to `it_companies`
12. Insert an IT company in the middle of the companies list
13. Change one of the `it_companies` names to uppercase (IBM excluded!)
14. Join the `it_companies` with a string `'#; '`
15. Check if a certain company exists in the `it_companies` list.
16. Sort the list using `sort()` method
17. Reverse the list in descending order using `reverse()` method
18. Slice out the first 3 companies from the list
19. Slice out the last 3 companies from the list
20. Slice out the middle IT company or companies from the list
21. Remove the first IT company from the list

22. Remove the middle IT company or companies from the list

23. Remove the last IT company from the list

24. Remove all IT companies from the list

25. Destroy the IT companies list

26. Join the following lists:

```
27. front_end = ['HTML', 'CSS', 'JS', 'React', 'Redux']  
    back_end = ['Node', 'Express', 'MongoDB']
```

28. After joining the lists in question 26. Copy the joined list and assign it to a variable `full_stack`. Then insert Python and SQL after Redux.