








































Python-4 Classwork



List Fun with Python – Let's Play! 🧸

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**, **middle**, and **last** item of the list 🎯
5.  Declare a list called `mixed_data_types`, put your (name, age, height, marital status, address) 🧑 📅 17 📏 💍 🏠
6.  Declare a list variable named `it_companies` and assign initial values:
"Facebook, Google, Microsoft, Apple, IBM, Oracle, 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 list 🎯

13.  Change **one company name** to **uppercase** (🚫 IBM!)
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 the **sort()** method 
17.  Reverse the list in **descending** order using **reverse()** 
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
21.  Remove the **first** IT company from the list
22.  Remove the **middle** IT company or companies
23.  Remove the **last** IT company from the list
24.  Remove **all** IT companies from the list 
25.  Destroy the **it_companies** list completely 

Bonus: Merge the Front & Back!

26.  Join the following lists:

```
front_end = ['HTML', 'CSS', 'JS', 'React', 'Redux']
```

```
back_end = ['Node','Express', 'MongoDB']
```

27. 🧠 After joining, copy the result and assign it to `full_stack` 💾
28. 🦆 Insert **Python** and **SQL** *after Redux* in the `full_stack` list 🧩