1. Emperor giving A STRING containing only parentheses , brackets and curly braces. Write a Python funtion that detarmines whether the parenthesis in the string are properly nested.

Input:

.

(){}[]
([)]
{[()]}

.

.

Output :

.

Correct

Incorrect

Correct

Solution:

```python
def parentheses_matching(s: str) -> bool:
    stk = []
    mp = {')': '(', '}': '{', ']': '['}

    for char in s:
        if char in mp.values():
            stk.append(char)
        elif char in mp.keys():
            if not stk or mp[char] != stk.pop():
                return False
        else:
            continue
    return len(stk) == 0

str = input()
ans = parentheses_matching(str)

if ans:
    print("Correct")
else:
    print("Incorrect")
```

2. One day I the third Mughal Emperor wake up drunk and cann't remember antrhing. Now I rome the palace and trying to remember what to do and how to do. In that point I call up my cleark to create a To-Do list for my day only..

now creat a To_Do list and Do it in Python.

01.Simple string input

2. Simple string output
3. Delete Task
4. Show Task
5. Quite

Solution:

```python
tasks = []

while True:
    print("\nYour tasks:")
    for i, task in enumerate(tasks, start=1):
        print(f"{i}. {task}")

    print("\nWhat would you like to do?")
    print("1. Add a task")
    print("2. Mark a task as completed")
    print("3. Quit")

    choice = input("Enter your choice: ")

    if choice == "1":
        task = input("Enter the task: ")
        tasks.append(task)
    elif choice == "2":
        if tasks:
            completed_task = int(input("Enter the number of the task to
mark as completed: ")) - 1
            if 0 <= completed_task < len(tasks):
                del tasks[completed_task]
            else:
                print("Invalid task number.")
        else:
print("No tasks to mark as completed.")
    elif choice == "3":
        break
    else:
```

```python
        print("Invalid choice. Please try again.")
```