***Assignment 4:*** *Write a script that creates a directory named TestDir and inside it, creates ten files named File1.txt, File2.txt, ... File10.txt. Each file should contain its filename as its content (e.g., File1.txt contains "File1.txt").*

***Bash script to create the directory and files:***

*Bash*

*#!/bin/bash*

*# Create directory*

*mkdir TestDir*

*# Create files and add content*

*for i in {1..10}; do*

*filename="File$i.txt"*

*echo "$filename" > TestDir/$filename*

*done*

*echo "Directory and files created successfully."*

***How to Run:***

1. *Open a text editor (e.g., Nano, Gedit).*
2. *Copy and paste the script.*
3. *Save the file (e.g., create\_dir\_files.sh).*
4. *Open the terminal.*
5. *Navigate to the directory where you saved the file.*
6. *Make the script executable: chmod +x create\_dir\_files.sh*
7. *Run the script: ./create\_dir\_files.sh*

***Explanation:***

*mkdir TestDir creates the directory.*

*The for loop iterates from 1 to 10.*

*filename="File$i.txt" constructs the filename.*

*echo "$filename" > TestDir/$filename creates the file and adds its name as content.*