**MD YASEEN**

**DAY 7 ASSIGNMENT (SHELL SCRIPT)**

**Assignment-1:**

**Ensure the script checks if a specific file (e.g., myfile.txt) exists in the current directory. If it exists, print "File exists", otherwise print "File not found".**

**SOLUTION:**

* Script to check if a specific file exists or not (CODE):

**A computer screen with white text

Description automatically generated**

* Output :

**A computer screen with white text

Description automatically generated**

**Assignment-2:**

**Write a script that reads numbers from the user until they enter '0'. The script should also print whether each number is odd or even.**

**SOLUTION:**

* Script :

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Description automatically generated**

* OUTPUT:

**A computer screen with white text

Description automatically generated**

**Assignment-3:**

**Create a function that takes a filename as an argument and prints the number of lines in the file. Call this function from your script with different filenames.**

**SOLUTION:**

* Script to print number of lines in a file

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Description automatically generated**

* OUTPUT:

A black screen with white text

Description automatically generated

**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").**

**SOLUTION:**

* Script to perform above task

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Description automatically generated**

* OUTPUT:

**A screenshot of a computer

Description automatically generated**

**Assignment-5:**

**Modify the script to handle errors, such as the directory already existing or lacking permissions to create files.**

**Add a debugging mode that prints additional information when enabled.**

**SOLUTION:**

* Script to perform above task:

**A screenshot of a computer program

Description automatically generated**

* OUTPUT:

A screenshot of a computer

Description automatically generated

**Assignment-6:**

**Given a sample log file, write a script using grep to extract all lines containing "ERROR". Use awk to print the date, time, and error message of each extracted line.**

**Data Processing with sed**

**SOLUTION:**

* Script to perform above specified task

**A screen shot of a computer

Description automatically generated**

* OUTPUT:

**A computer screen with white text

Description automatically generated**

**Assignment-7:**

**Create a script that takes a text file and replaces all occurrences of "old\_text" with "new\_text". Use sed to perform this operation and output the result to a new file.**

**SOLUTION:**

* Script to replace “oldText” with “newText”

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Description automatically generated**

* Output:

**A computer screen with white text

Description automatically generated**