

Name – Vikas Srivastava

Topic – Shell Script Assignment : 05

Batch - DATACOM+5G Dev

Batch Id - 25SUB4505

User Id – 55984

Email Id – vikas200027@gmail.com

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 :

Code :

```
MINGW64:/c/Users/VIKAS SRIVASTAVA/OneDrive/Desktop/Assignment/ShellScript_Assignments

DEBUG=FALSE
# Enable debug
if [ "$1" = "-d" ]; then
    DEBUG=true
    set -x
else
    DEBUG=false
fi

DIR="TestDir"

# Checking if directory exists
if [ -d "$DIR" ]; then
    echo "Directory '$DIR' already exists"
else
    mkdir "$DIR" || { echo "Error: Permission denied to create directory"; exit 1; }
fi

# Creating 10 files
i=1
while [ $i -le 10 ]; do
    FILE="$DIR/File$i.txt"
    echo "File$i.txt" > "$FILE" || echo "Error creating $FILE"
    i=$((i+1))
done

# Debug message
if [ "$DEBUG" = true ]; then
    echo "Debug mode enabled"
fi
```

Output:

```
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignment/ShellScript_Assignments (main)
$ sh Assignment_5.sh
Directory 'TestDir' already exists
```