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.

Ans:


```bash
DEBUG=1
debug(){
        if [ $DEBUG  -eq 1 ]; then
                echo "DEBUG: $1"
        fi
}

if mkdir -p testDirNew 2>/dev/null; then
        debug "Directory 'testDirNew' created or already exists"
else
        echo "Error: Unable to create directory 'testDirNew' Check Permission"
        exit 1
fi

if cd testDirNew; then
        debug "Changed to directory 'testDirNew'"
else
        echo "Error: Unable to change directory 'testDirNew' Check Permisssion"
        exit 1
fi

for i in {1..10}; do
        filename="file$i.txt"
        if echo "$filename" > "$filename" 2>/dev/null; then
                debug "File '$filename' created wit content '$filename'"
        else
                echo "Error: Unable to create file '$filename' Check Permission"
                exit 1
        fi
done

echo "Files created successfully in testDirNew"
```