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:

```
Script:
```

```
#!/bin/bash
if [[ $1 == "debug" ]]; then
  debug mode=true
else
  debug mode=false
fi
debuglog() {
  if [ "$debug mode" = true ]; then
    echo "DEBUG: $1"
  fi
}
dir ="TestDir"
if [!-d "$dir"]; then
  mkdir "$dir "
  debuglog "Directory '$dir created successfully."
else
  debuglog "Directory '$dir already exists, skipping creation."
fi
```

```
if cd "$dir "; then
  debuglog "Changed directory to $dir."
else
  echo "Error: Failed to change directory to $dir . Check
permissions."
  exit 1
fi
for i in {1..10}; do
  f="File$i.txt"
  if echo "$f" > "$f"; then
    debuglog "Created and wrote to $f."
  else
    echo "Error: Failed to write to $f."
    exit 1
  fi
done
echo "all created successfull."
```

Output:

