

```
# 01-ForLoop-Multiplication.ps1
# Uses a for loop to generate a multiplication table and save to file

$outfile = "MultiplicationTable.txt"
Set-Content -Path $outfile -Value "Multiplication Table (1-10):"

for ($i = 1; $i -le 10; $i++) {
    $line = "5 x $i = " + (5 * $i)
    Add-Content -Path $outfile -Value $line
}

Write-Output "Created MultiplicationTable.txt:"
Get-Content $outfile
```