

Aufgabe 5

```
10..100 | ? { $_ % 10 -eq 0 }  
For ($i=0; $i -le 100; $i++) { If ($i % 5 -eq 0) { $i } }
```

Aufgabe 6

a.

Linux-style continuous ping for target \$host:

```
While ($True) {  
    Test-Connection $host -Count 1  
    Start-Sleep -Milliseconds 1000  
}
```

b.

bash-style (this-reference is \$key)

do-stuff | while read \$key; do .. ; done

is roughly equivalent to PowerShell (this-reference is \$_)

Do-Stuff | ForEach-Object { .. }

Aufgabe 7

machine precision test

\$cur=0

```
While ([math]::Pow(2,-$cur) -ne 0) {  
    Write-Host "i=$cur, 2^(-$cur)=$([math]::Pow(2,-$cur))"  
    $cur++  
}
```

Write-Host \$cur

this machine 2⁻¹⁰⁷⁵ -gt 0 \$True

Aufgabe 8

a. # script moves items to parent directory and deletes current directory

b.

```
Get-ChildItem | ForEach-Object { Move-Item -Path $_ -Destination .. }
```

\$cur=\$(Get-Location)

Set-Location ..

Remove-Item -Path \$cur

Aufgabe 9

\$endung=".txt"

Get-ChildItem *\$endung