

Step-by-Step Simplified Practical

1. Hello World Manifest

hello.pp

```
notify { 'hello':  
  message => 'Hello from Puppet!',  
}
```

Run:

```
puppet apply "F:\Symbiosis DevOps 2025-26\3rd Lecture\puppet-demo\hello.pp"
```

(Mac/Linux)

```
puppet apply ~/puppet-demo/hello.pp
```

Verify: Output should show Notice: Hello from Puppet!

2. Class Example

class.pp

```
class mydemo {  
  file { 'demo-dir':  
    ensure => directory,  
    path   => "C:/puppet-demo",  
  }  
  
  file { 'demo-file':  
    ensure => file,  
    path   => "C:/puppet-demo/demo.txt",  
    content => "This file is managed by Puppet\n",  
    require => File['demo-dir'], # makes sure folder is created first  
  }  
}  
  
include mydemoRun
```

Windows: puppet apply "F:\Symbiosis DevOps 2025-26\3rd Lecture\puppet-demo\class.pp"

Mac: puppet apply ~/puppet-demo/class.pp

Verify:

- On Windows: Get-Content C:\puppet-demo\demo.txt
- On Mac/Linux: cat /tmp/demo.txt

3. Template Example

motd.erb

```
Welcome <%= $studentname %>!  
Hostname: <%= $facts['hostname'] %>
```

template.pp

```
class motd($studentname = 'Student') {  
  file { ['motd-file':  
    ensure => file,  
    path    => $facts['os']['family'] ? {  
      'windows' => "F:/Symbiosis DevOps 2025-26/3rd Lecture/puppet-  
demo/motd.txt",  
      default   => "/tmp/motd.txt",  
    },  
    content => epp("F:/Symbiosis DevOps 2025-26/3rd Lecture/puppet-  
demo/motd.erb", { 'studentname' => $studentname } ),  
  }  
}  
  
class { ['motd': studentname => 'Sahil' }
```

Run:

Windows: puppet apply "F:\Symbiosis DevOps 2025-26\3rd Lecture\puppet-demo\template.pp"

Mac: puppet apply ~/puppet-demo/template.pp

Verify:

- Open C:\puppet-demo\motd.txt on Windows
- Or /tmp/motd.txt on Mac/Linux

4. Function Example (inline Puppet function)

function.pp

```
function greet(String $name) {  
  notice("Hello ${name}, from Puppet function!")  
}  
  
greet('DevOps Students')
```

Run:

puppet apply "F:\Symbiosis DevOps 2025-26\3rd Lecture\puppet-demo\function.pp"

Verify: Console prints:

Notice: Hello DevOps Students, from Puppet function!