**Experiment No. 3.1**

**Student Name: Rishav Kumar UID: 22MCC20039**

**Branch: MCA - CCD Section/Group: MCD-1/ Grp A**

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1. **Aim/Overview of the practical:**

1. Create Manifest file in Puppet Server to install http.

2. Check it in Puppet Agent machine to start the services of http.

**Code for practical:**

**A.**

* Navigate to the Puppet manifests directory:

***cd /etc/puppetlabs/code/environments/production/manifests***

* Create a new manifest file, e.g., http\_install.pp:

***touch http\_install.pp***

* Edit the manifest file using a text editor, e.g., vim or nano:

# /etc/puppetlabs/code/environments/production/manifests/http\_install.pp

# Define a class for installing and starting the HTTP service

class http\_service {

# Install the HTTP package

package { 'httpd':

ensure => installed,

}

# Ensure the HTTP service is enabled and running

service { 'httpd':

ensure => running,

enable => true,

}

}

# Include the class to ensure it is applied

include http\_service

**B.**

* Run Puppet Agent on the Puppet Agent machine:

***puppet agent -t***

* This command applies the configuration from the Puppet Server to the Puppet Agent machine.
* Verify that the HTTP service is installed and running:

***systemctl status httpd***

* This command checks the status of the HTTP service. You should see that it is active and running.

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