

Date:20.11.2021

**Third Year B. Tech., Sem V 2021-22**

**Programming Lab 3**

**Practical No- 6**

**PRN: 2019BTECS00071**

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**Batch: T2**

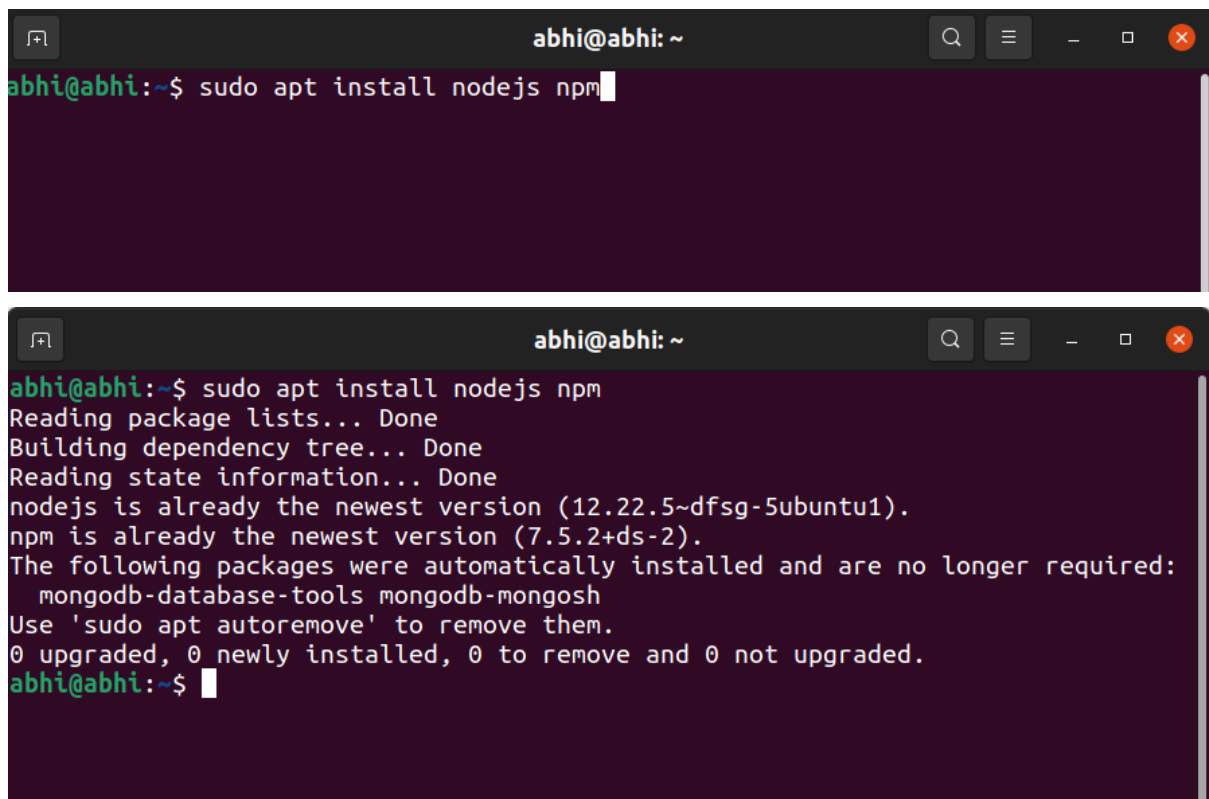
**Title of Practical: To install and configure Node.js server and IDE.**

**Problem Statement 1:**

1. Download Node.js pre-built installer for your platform (Window, macOX, Linux).
2. Verify and install necessary dependencies, make sure you have ports available for use.
3. While installing select the checkbox "Automatically install the necessary tools".
4. Verify the installation from the command prompt. (Type node -v on command prompt to check the version of node.js)
5. Download and install the IDE (Integrated Development Environment) that supports JavaScript syntax.
6. Recommended IDEs are Visual Studio Code, Sublime Text and Eclipse.

Ans:

## 1. Installing Nodejs on ubuntu:



```
abhi@abhi: ~  
abhi@abhi:~$ sudo apt install nodejs npm  
  
abhi@abhi:~$ sudo apt install nodejs npm  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
nodejs is already the newest version (12.22.5~dfsg-5ubuntu1).  
npm is already the newest version (7.5.2+ds-2).  
The following packages were automatically installed and are no longer required:  
  mongodb-database-tools mongodb-mongosh  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
abhi@abhi:~$
```

The command above will install a number of packages, including the tools necessary to compile and install native addons from npm. But in my laptop I have already installed node js so it's showing installed.

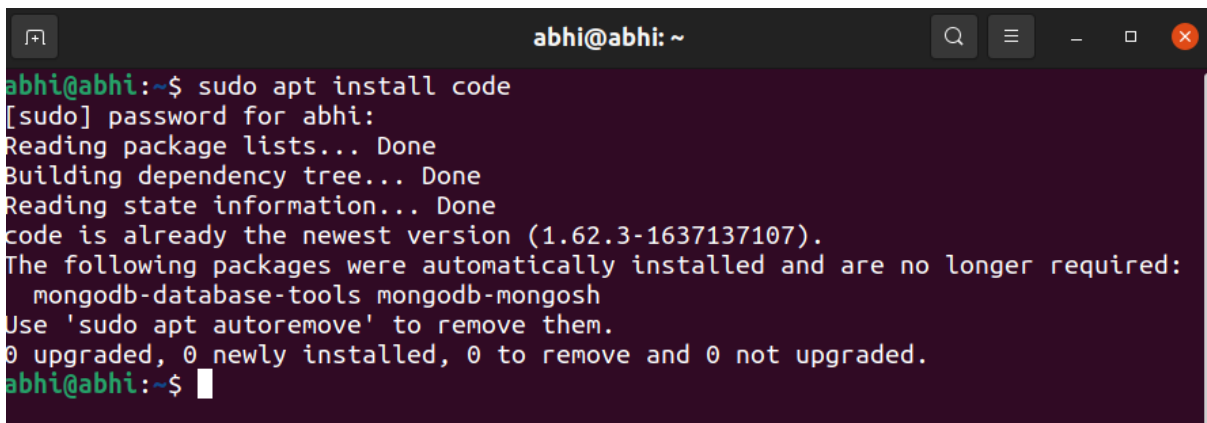
## 2. Testing of installation:

A terminal window with a dark purple background. The title bar shows 'abhi@abhi: ~'. The prompt is 'abhi@abhi:~\$'. The command 'nodejs --version' has been entered, and the output is 'v12.22.5'.

```
abhi@abhi:~$ nodejs --version
v12.22.5
abhi@abhi:~$
```

## 3. Editor Installation (VS code):

Installing vs code in ubuntu

A terminal window with a dark purple background. The title bar shows 'abhi@abhi: ~'. The prompt is 'abhi@abhi:~\$'. The command 'sudo apt install code' has been entered. The output shows the password prompt, package list reading, dependency tree building, and state information reading. It then states that 'code' is already the newest version (1.62.3-1637137107) and lists packages that were automatically installed and are no longer required: 'mongodb-database-tools' and 'mongodb-mongosh'. It suggests using 'sudo apt autoremove' to remove them. Finally, it shows '0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded'.

```
abhi@abhi:~$ sudo apt install code
[sudo] password for abhi:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
code is already the newest version (1.62.3-1637137107).
The following packages were automatically installed and are no longer required:
  mongodb-database-tools mongodb-mongosh
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
abhi@abhi:~$
```

I have already installed vs code so it's showing already installed.