1. **To install VMware for Ubuntu operating system.**

Ye to easy hai sirf VMware install karana hai aur uske steps ka description dena hai.

1. **To perform basic commands on Ubuntu operating system.**

**Create file Create directory Remove File**

1. **To perform basic commands on Ubuntu operating system.**

2 aur 3 ke liye ye commands use kar sakte ho.

|  |  |
| --- | --- |
| **Linux Commands** | **Functions** |
| Is | Displays information about files in the current directory. |
| pwd | Displays the current working directory. |
| mkdir | Creates a directory. |
| cd | To navigate between different folders. |
| rmdir | Removes empty directories from the directory lists. |
| cp | Moves files from one directory to another. |
| mv | Rename and Replace the files |
| rm | Delete files |
| touch | Create empty files |
| cat | Display file contents on terminal |
| clear | Clear terminal |
| ps | Display the processes in terminal |
| echo | Display active processes on the terminal |
| wget | download files from the internet. |
| whoami | Create or update passwords for existing users |
| cal | View Calendar in terminal |

1. **To install Hadoop framework, configure it and setup a single node cluster.**

<https://codewitharjun.medium.com/install-hadoop-on-ubuntu-operating-system-6e0ca4ef9689>

1. **To implement file management tasks in Hadoop HDFS like adding, retrieving and deleting**

<https://www.geeksforgeeks.org/hdfs-commands/>

1. **To implement a word count application using the MapReduce API.**

<https://codewitharjun.medium.com/word-count-example-using-hadoop-and-java-8ef3d665e331>

1. **To perform Graph analytics and visualization using Tableau.**

Ye bhi easy hai sirf data leke visualization karna hai.

1. **To implement basic functions and commands in R Programming. better visualization than a data table.**
2. **To use following platforms for solving any big data analytic problem of your choice. Amazon web services, (2) Micosoft Azure, (3) Google**

Yeh to tough iska muje kuch pata nahi kya karna hai.