* Running Apache Server on UTD’s UNIX server
* Installing JDK on UTD Server
* Accessing Pi from PC through SSH
* Connect Pi to PC through Ethernet cable
* Tracing the IP Address assigned to the Pi:

Network and Sharing Centre 🡪 LAN Connection 🡪 Properties 🡪 Select IPv4 🡪 click on Properties 🡪 Use the following IP Address

The IP Address assigned for PC is 192.168.137.1 and subnet mask is 255.255.255.0

* Below bash script has been run for tracing the IP Address of the Pi

FOR /L %i IN (150,1,200) DO ping -a -n 1 192.168.10.%i >>c:\ipaddresses-150.txt

* IP address and hostname of Pi obtained after running the above script are:

IP Address: 192.168.137.96

Hostname: raspberrypi.mshome.net

* Connected to Pi through SSH
* Making the IP address that is currently assigned to Pi as static by editing the interface file

<https://www.modmypi.com/blog/tutorial-how-to-give-your-raspberry-pi-a-static-ip-address>

<http://www.raspberrypi.org/phpBB3/viewtopic.php?f=50&t=7395>

* Formatted the SD Card using Win-32 disk imager

<https://www.sdcard.org/downloads/formatter_4/eula_windows/>

* Flashing SD Card with Raspbian OS

<http://elinux.org/RPi_Easy_SD_Card_Setup>

* Installing FTP Server on Pi

<http://www.raspberrypi.org/phpBB3/viewtopic.php?f=30&t=44700>

* Installing JDK on Pi

<http://www.raspberrypi.org/forum/viewtopic.php?f=34&t=14940>

* Installing Apache web server and PHP on Pi
* <http://www.wikihow.com/Make-a-Raspberry-Pi-Web-Server>
* Establishing socket connection between Pi and UTD Server
* Establishing socket connection between Android and UTD Server

**Raspberry Pi SSH**: - UserName/Password: pi/raspberry

**UTD ACN Server:**

**Root Login**: - Username/Password: root/doorlock

**Non-Root Login**: - Username/Password: student/doorlock