

# Raspberry Pi SSH Connection

## Q1 - Connecting to RaspberryPi using SSH

- In order to connect to raspberry pi we have to find out the IP address of the RPi computer. We can achieve this by simply using the command
  - `ping raspberrypi.local`
- Output
  - `pi@raspberrypi:~/Desktop/DATHALAGE $ ping raspberrypi.local`
  - `PING raspberrypi.local (192.168.0.168) 56(84) bytes of data.`
  - `64 bytes from raspberrypi.modem (192.168.0.168): icmp_seq=1 ttl=64 time=0.158 ms`
  - `64 bytes from raspberrypi.modem (192.168.0.168): icmp_seq=2 ttl=64 time=0.197 ms`
  - `64 bytes from raspberrypi.modem (192.168.0.168): icmp_seq=3 ttl=64 time=0.157 ms`
- We can extract the local network IP address of the RaspberryPi as **192.168.0.168**
- Then we have to enable inbuilt SSH connection of RPi
  - This can be achieved by navigating to PREFERENCES > RASPBERRY PI CONFIGURATION > INTERFACES
  - We can find that SSH button is DISABLED
  - We have to ENABLE it and click OK
- Now we can access the RaspberryPi by using below command from our personal computer which is already connected to WIFI that raspberry pi has connected
  - `ssh pi@192.168.0.168`
  - the default password of raspberry pi is 'raspberry'

## Q2 - Screenshot of SSH connection to the RaspberryPi

