Kommandoer til Computerteknologiprojekt

# Powershell

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| **Kommando** | **Beskrivelse** |
| ping [IP-adress] | Checks connection to given IP-adress |
| ssh ubuntu@[IP-adress] | Connects to ubuntu over IP-adress |
| scp [filename] ubuntu@[IP-adress]:/home/ubuntu | Transfer file to ubuntu. Have to be done from terminal opened in folder of file that has to be transferred |
| scp ubuntu@192.168.167.201:/home/ubuntu/log.csv . | Moves log file from ubuntu to pc |
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# Ubuntu

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| **Kommando** | **Beskrivelse** |
| Ip a | Checks internetconnection. Useful when want to know IP-adress |
| ls | Looks at content of folder |
| Pwd | Gets location of path |
| Rm | Removes file |
| Cd / cd .. | Goes out of current directory |
| sudo nano /etc/netplan/50-cloud-init.yaml | Edits folder with network connection |
| sudo netplan apply | Applies the network connection changes |
| exit | Logs out of connection |
| crontab -e | Opens crontab - can edit script to make commands run at reboot |
| sudo cp -i /home/ubuntu/[file\_name].py /bin | Copies python file to bin |
| @reboot [command] | Makes command run at reboot |
| python3 /usr/bin/[filename].py | Makes file run after it has been added to bin |
| Sudo apt-get install python3-[package-name] | Installs python package |

# Fremgangsmåde for at køre robot

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| **Kommando** | **Beskrivelse** |
| scp turtlebot3\_obstacle\_detection.py ubuntu@192.168.167.201:/home/ubuntu/turtlebot3\_ws/src/turtlebot3/turtlebot3\_example/turtlebot3\_example/turtlebot3\_obstacle\_detection | Uploader fil til robot |
| cd ~/turtlebot3\_ws/ | Gå ind i directory |
| ros2 launch turtlebot3\_bringup robot.launch.py | Kør dette i terminal |
| source ~/.bashrc | Start ny terminal og kør dette |
| ros2 run turtlebot3\_example turtlebot3\_obstacle\_detection | Kør dette i nye terminal |
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