

Project dependables –

```
sudo apt install python2
```

```
sudo apt install curl
```

```
curl https://bootstrap.pypa.io/pip/2.7/get-pip.py --output get-pip.py
```

```
sudo python2 get-pip.py
```

```
sudo apt-get install build-essential autoconf libtool pkg-config python-opengl python-imaging python-  
pyrex python-pyside.qtopengl idle-python2.7 qt4-dev-tools qt4-designer libqtgui4 libqtcore4 libqt4-xml  
libqt4-test libqt4-script libqt4-network libqt4-dbus python-qt4 python-qt4-gl libgle3 python-dev
```

```
sudo apt-get install libxml2-dev libxslt1-dev
```

```
sudo apt install python2-dev
```

```
sudo apt-get install python2-dev    build-essential libssl-dev libffi-dev    libxml2-dev libxslt1-dev zlib1g-  
dev    pip
```

```
sudo apt install libopenmpi-dev
```

```
mpiexec -np 4 python2 k_means_mpi.py 4 output_filename
```