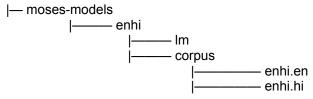
```
1. Install docker $ sudo apt install docker.io
```

```
If you get a proxy error, run:
$ sudo mkdir -p /etc/systemd/system/docker.service.d *
$ sudo vi /etc/systemd/system/docker.service.d/http-proxy.conf *
And paste the following lines:
[Service] *
Environment="HTTP_PROXY=http://172.16.199.20:8080" *
Environment="HTTPS_PROXY=http://172.16.199.20:8080" *
After adding, run:
$ sudo systemctl daemon-reload *
$ sudo systemctl restart docker.service *
```

- 2. Pull the image using \$ docker pull techiaith/moses-smt
- 3. Git clone \$ git clone https://github.com/porthtechnolegauiaith/moses-smt .
- 4. Get into the folder \$ cd moses-smt •
- 5. Run \$ make run to start the docker image.
- 6. Till this point the cloned folder and the docker image should be connected, if not, run:

```
$ sudo make stop • and run $ make run •
```

- 7. To check if the docker container is connected or not, make a folder *moses-models* into the repo you cloned, it should reflect in the docker *root* directory, if not, change line number 7 of *Makefile*, from *\${PWD}* to the */home/your-username/moses-smt* and repeat step 5.
- 8. In the github repo, make a folder named *enhi* under the folder moses-models, and paste the dataset.



9. Go to the folder moses-smt in the docker shell and run the following for training:

```
$ python moses.py train -e enhi -s en -t hi
```

10. Make a folder inside *moses-models* named *testing* and keep the text you want to test inside the src.txt file. Then, save the following code as \$test.sh and run \$./test.sh

OR directly copy and paste the following code:

```
while IFS= read -r line
do
"/home/moses/moses/moses/moses/moses-models/enhi/en-hi/engine/model/moses.ini"
"$line" >> pred.txt
done < "src.txt"</pre>
```

11. Run \$ ./multi-bleu.pl target\_gold.txt < pred.txt • to evaluate your file using BLEU.