

Steps

source the work space then:

```
export TURTLEBOT3_MODEL=burger
```

```
roslaunch turtlebot3_gazebo turtlebot3_house.launch
```

then open anew terminal

```
export TURTLEBOT3_MODEL=burger
```

```
roslaunch turtlebot3_slam turtlebot3_slam.launch
```

open anew terminal

```
export TURTLEBOT3_MODEL=burger
```

```
roslaunch turtlebot3_teleop turtlebot3_teleop_key.launch
```

start moving in order to make the map then use this command to save your map for me it is saved in home

```
roslaunch map_server map_saver
```

then in order to navigate autonomously use this command

```
roslaunch turtlebot3_navigation turtlebot3_navigation.launch  
map_file:=$HOME/map.yaml
```