

# Assignment1

Basic usage of `git` and dynamic reconfigure

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## 1 Git

If you haven't been familiar with basic usage of `Git`, please issue the following command in your terminal:

```
man git
```

The manpage will guide you to `gittutorial(7)` and `giteveryday(7)`, which are great material for getting started with `Git`.

If you haven't used `man` before, you can get started with `man man`!

## 2 Dynamic reconfigure

Please read ROS tutorial on dynamic reconfigure and create a package named `dynamic_tutorials` with the following components:

### Component 1 ► A dynamically reconfigureable node

The reconfigureable parameters should include

- a `enumeration` specifying size of the polygon (distance from the center to any vertex of it).
- an integer specifying number of sides of the polygon

### Component 2 ► A server

The server should

- prints the received parameters
- renders a polygon with `OpenCV` with shape specified in the dynamically reconfigureable node you've written.

## 3 Submission

We encourage the usage of github classroom to submit your assignment. If you meet any problem, please send email to `hcimu@umich.edu`.