

Lecture 4: Coding practice

+ GitHub



I. Code structures

(2017, 2018 season, → off season)

Time-based (HW2)

Command-based

Similarities:

- Subsystems

- Subsystems.

- Routine (Robot.java)

- ~

Differences:

- In Robot.java

TeleopPeriodic():

if (____)

 subsystem.action()

 → motor.setspeed(1)

- ~

~

if (____)

 new shoot()

Shoot.java

- Start

- Execute ← motor.setspeed(1)

- Finish

Command-based Auton + Timed-based Teleop.
2019 season +

Subsystem

{

 set speed()

 stop()

 set closed loop()

}

Command

{

 Start

 ~

 Periodically

 ~

 End

 ~

}

Drive while shoot()

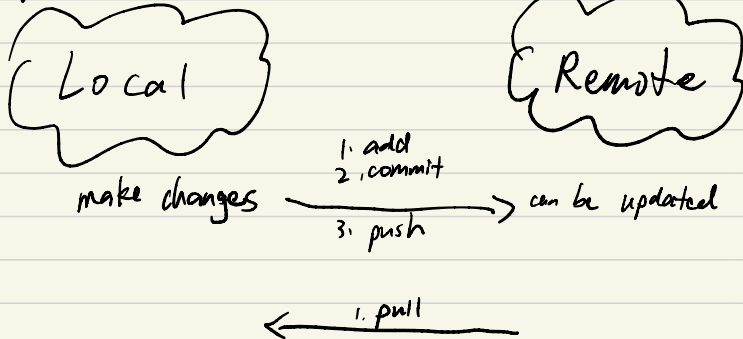
Drive.drive()

Shooter.shoot()

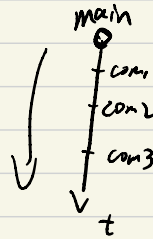
II. HW3 Autonomous coding (time-based)

✓

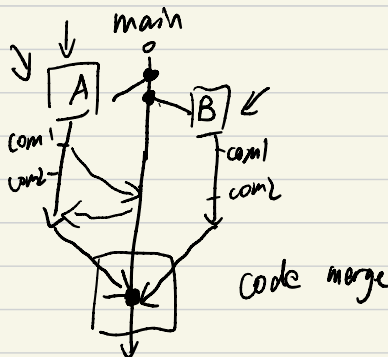
III. GitHub



Branching



single branch.



3/3

code fundamentals

lecture 5 → Control