General:

1. Button: flash LED on panel, Button.*LEDPattern*(4) , Button.***ID\_UP(),*** Button.***ID\_ESCAPE(), Button.ESCAPE.isUp()in lesson17,***

wait for press to start. Button.*waitForAnyPress*()

1. Sound: make sound. *beepSequenceUp(), beepSequence()*
2. Delay.msDelay(2000) //keep this moving for 2s
3. Logging/debug(lesson12): create a Logging.txt in EV3 which can be downloaded. Logging.setup(), Logging.log()
4. Library class: avoid repeated code. TouchSensor.java

Move:

1. Motor(lesson7&8)(motor B and motor C): wheels move. UnregulatedMotor(), setPower(50), stop(), forward(), backward(),close()
2. Arm(lesson15): servomotor, car arm move. Belongs to EV3MediumRegulatedMotor.

Sensor(the SensorPort matters):

1. Touch sensor(lesson9): TouchSensor(SensorPort.S1), EV3TouchSensor(), SampleProvider(), getTouchMode(), isTouched(),
2. UltraSonic Distance Sensor: Distance. UltraSonicSensor(SensorPort.S4)
3. Gyro (gyroscope) Sensor: control direction of travel. GyroSensor(SensorPort.S2), getAngle(), getAngularVelocity()
4. Color Sensor: ColorSensor(SensorPort.S3),

Things that should be noticed in each lesson:

1. Lesson9: while (!isTouched(touchSP)) {}. Never stop until hit the sensor. isTouched(), fetchSample()
2. Lesson14: Regulated Motors. regulated and unregulated
3. Lesson15: do-while (!(button == Button.ID\_ESCAPE));
4. Lesson16: UltraSonic Distance Sensor. Use Lcd which is a library class. Lcd shows info on EV3 screen. getRange() to get the distance, Lcd shows the info
5. Lesson17: Button.ESCAPE.isUp()