3.6 Understanding basic robot movement

3.6.1 Tasks: Make robot move

1. Connest both DC motors to RobDuino controller according to tbl. 1:

Table 1: Motors connections to RobDuino Output pins.

MOTOR	RobDuino Output pins
Left DC Motor - con. A	D7
Left DC Motor - con. B	D6
Right DC Motor - con. A	D5
Right DC Motor - con. B	D4

2. Write simple programming instructions to move the robot forward. Make right sequence of programming instructions (e.g. `digitalWrite()` and `delay(time_in_ms)` functions) to achive:
    1. move the robot forward,
    2. do it for 3000 ms and
    3. stop the robot.

3.6.2 Questions:

You probably ended up with something like prog. 1:

Program 1: First moves.

```
void setup()
{
  pinMode(4, OUTPUT);
  pinMode(5, OUTPUT);
  pinMode(6, OUTPUT);
  pinMode(7, OUTPUT);

  digitalWrite(7, HIGH);
  digitalWrite(6, LOW);
  digitalWrite(5, HIGH);
  digitalWrite(4, LOW);

  delay(3000);

  digitalWrite(7, LOW);
  digitalWrite(6, LOW);
  digitalWrite(5, LOW);
  digitalWrite(4, LOW);
}

void loop()
{

}
```

1. Is this code “easy readable”?
2. Why is readable code important?

3.6.3 Summary:

3.6.3.1 <++>

3.6.4 Issues:

3.6.4.1 <++>