

JAVA

기본 프로그래밍

Robocode

What is Robocode?

Robocode

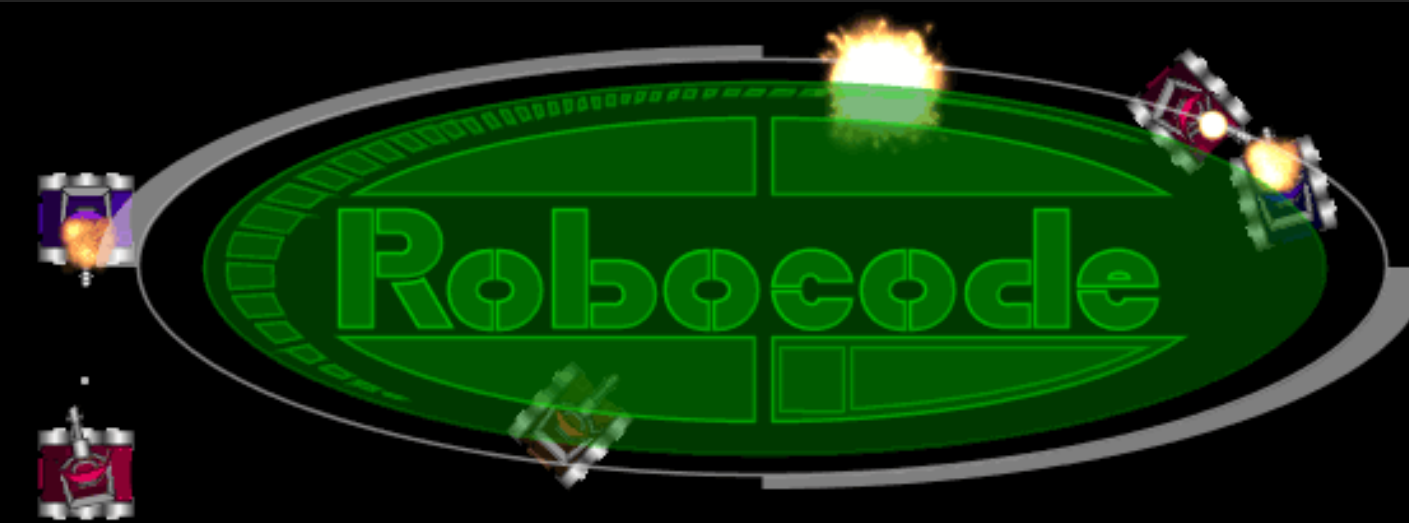
- ▶ Robocode is a programming game, where the goal is to develop a robot battle tank to battle against other tanks in Java or .NET.



Robocode

Download and Install the program

- ▶ Visit at <https://robocode.sourceforge.io/>
- ▶ Download the program



Build the best - destroy the rest!

Newest version: 1.9.3.9 (Tue, 21 Apr 2020)

Robocode is a programming game, where the goal is to develop a robot battle tank to battle against other tanks in Java or .NET. The robot battles are running in real-time and on-screen.

Robocode Links

- [ReadMe](#) for Robocode, which gives a good overview of Robocode
- [News](#) for Robocode. You can also follow Robocode at [Twitter](#) and [Facebook](#)
- [Versions](#) - Details about different versions of Robocode
- [Project](#) at SourceForge
- [Download](#) Robocode
- [Java 6.0](#) or newer is required for running Robocode
- [Getting started](#) - Introduction and tutorials for Robocode on the RoboWiki
- [Robocode API \(Java\)](#) - the Robot API and API for Java applications to control Robocode
- [Robocode .NET API](#) - the Robot API for .NET
- [FAQ](#) - Frequently Asked Questions about Robocode
- [My First Robot \(Java\)](#) - tutorial about how to create your first Java robot
- [Create a .NET robot](#) - tutorial about how to create a .NET robot with Visual Studio
- [Forums](#) for technical issues and feedback on Robocode
- [Request](#) a new feature for Robocode
- [Report](#) a bug in Robocode
- [Contact](#) the administrator of Robocode

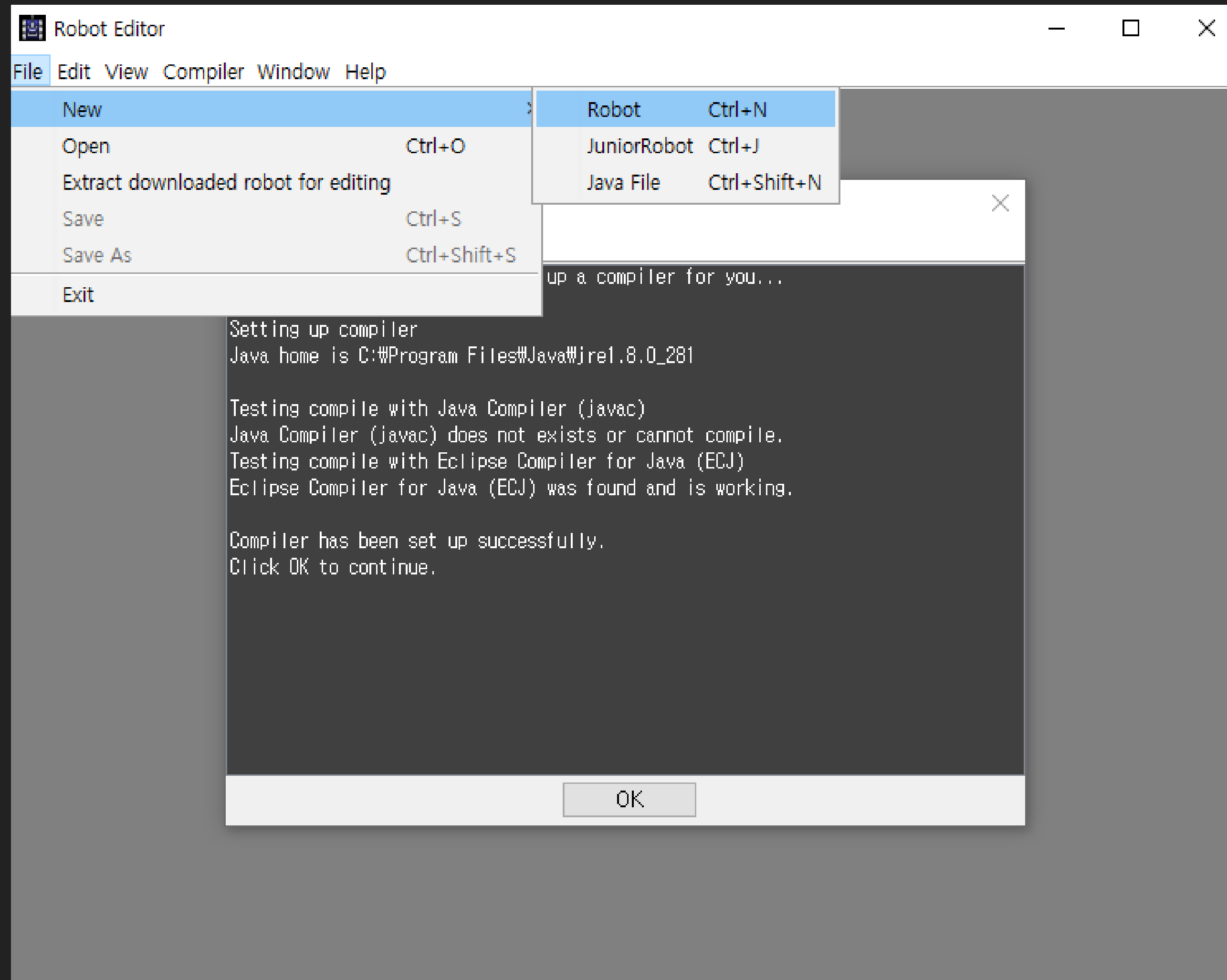
Robocode(Cont'd)

How to create my own robot



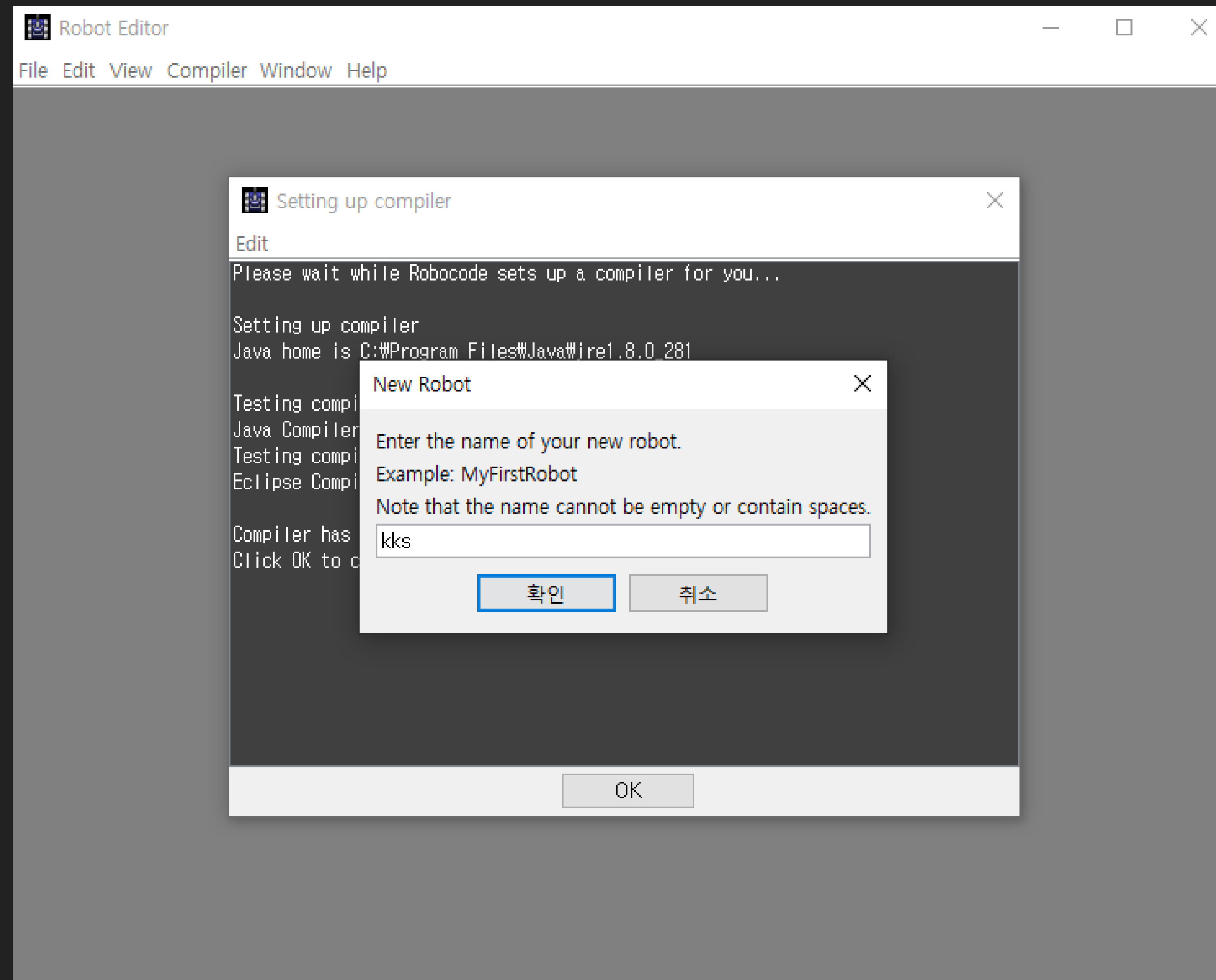
Robocode(Cont'd)

How to create my own robot



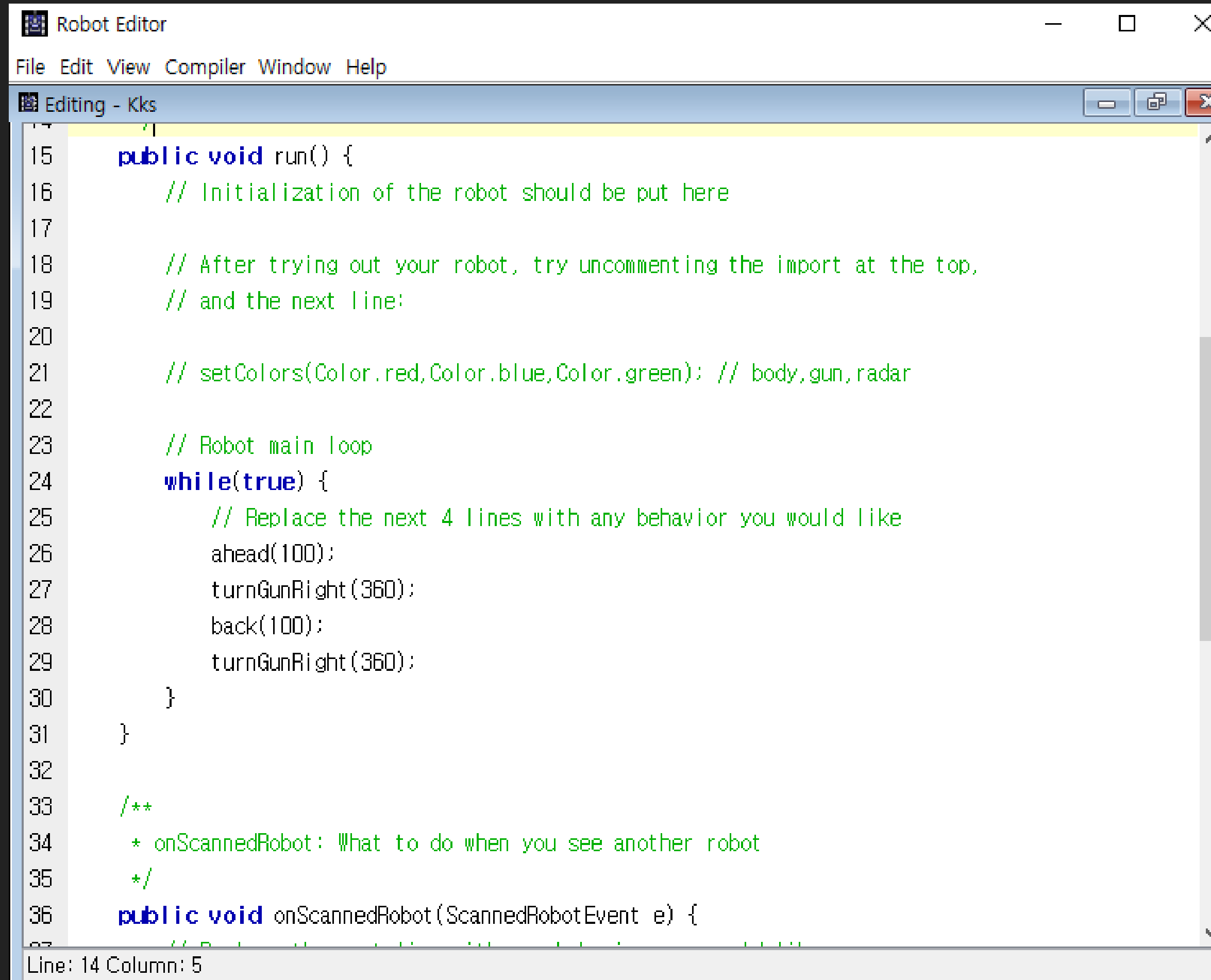
Robocode(Cont'd)

How to create my own robot



Robocode

How to create my own robot



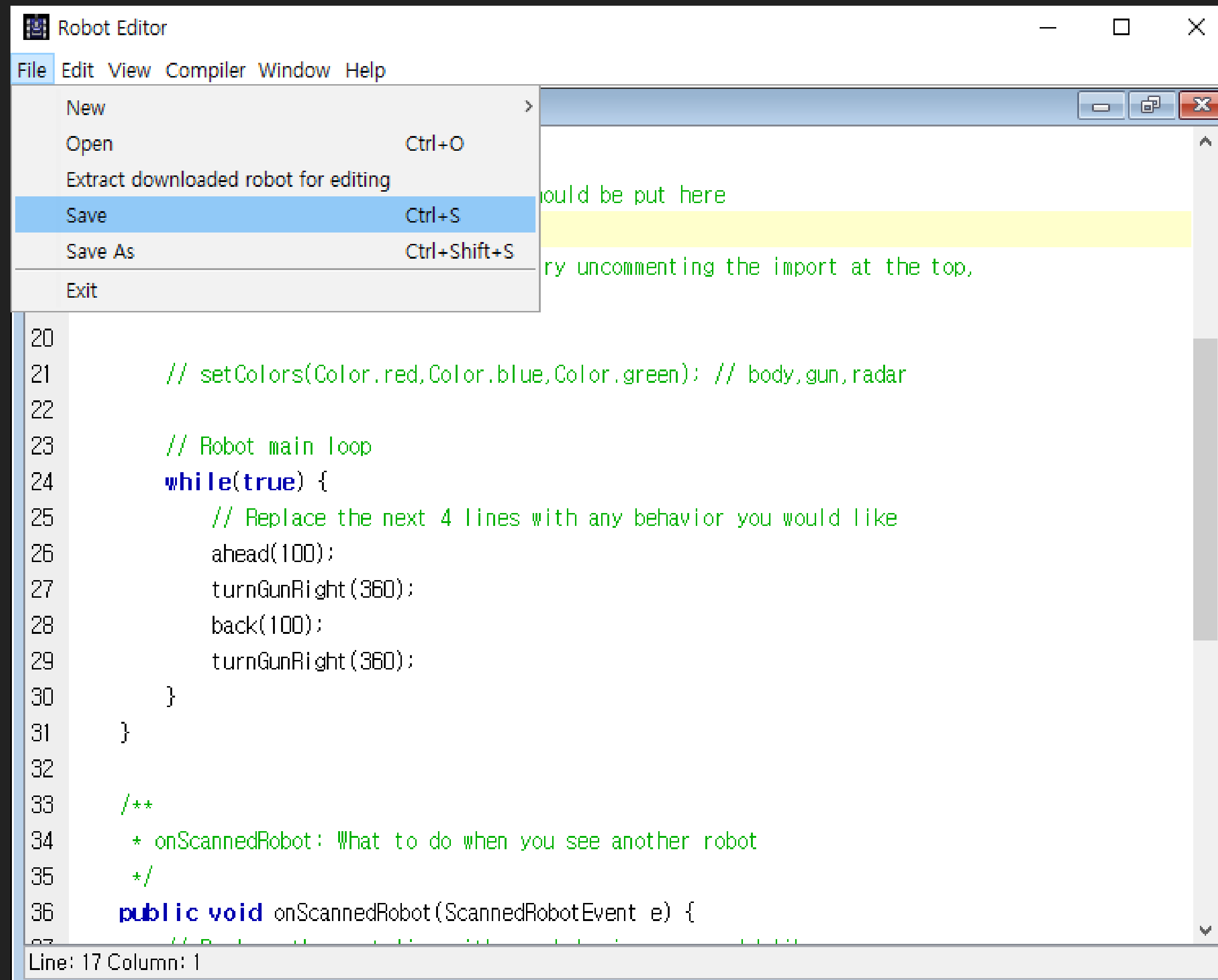
The screenshot shows the Robocode Robot Editor window. The title bar says "Robot Editor". The menu bar includes "File", "Edit", "View", "Compiler", "Window", and "Help". The editor window is titled "Editing - Kks". The code is as follows:

```
15 public void run() {
16     // Initialization of the robot should be put here
17
18     // After trying out your robot, try uncommenting the import at the top,
19     // and the next line:
20
21     // setColors(Color.red,Color.blue,Color.green); // body,gun,radar
22
23     // Robot main loop
24     while(true) {
25         // Replace the next 4 lines with any behavior you would like
26         ahead(100);
27         turnGunRight(360);
28         back(100);
29         turnGunRight(360);
30     }
31 }
32
33 /**
34  * onScannedRobot: What to do when you see another robot
35  */
36 public void onScannedRobot(ScannedRobotEvent e) {
```

Line: 14 Column: 5

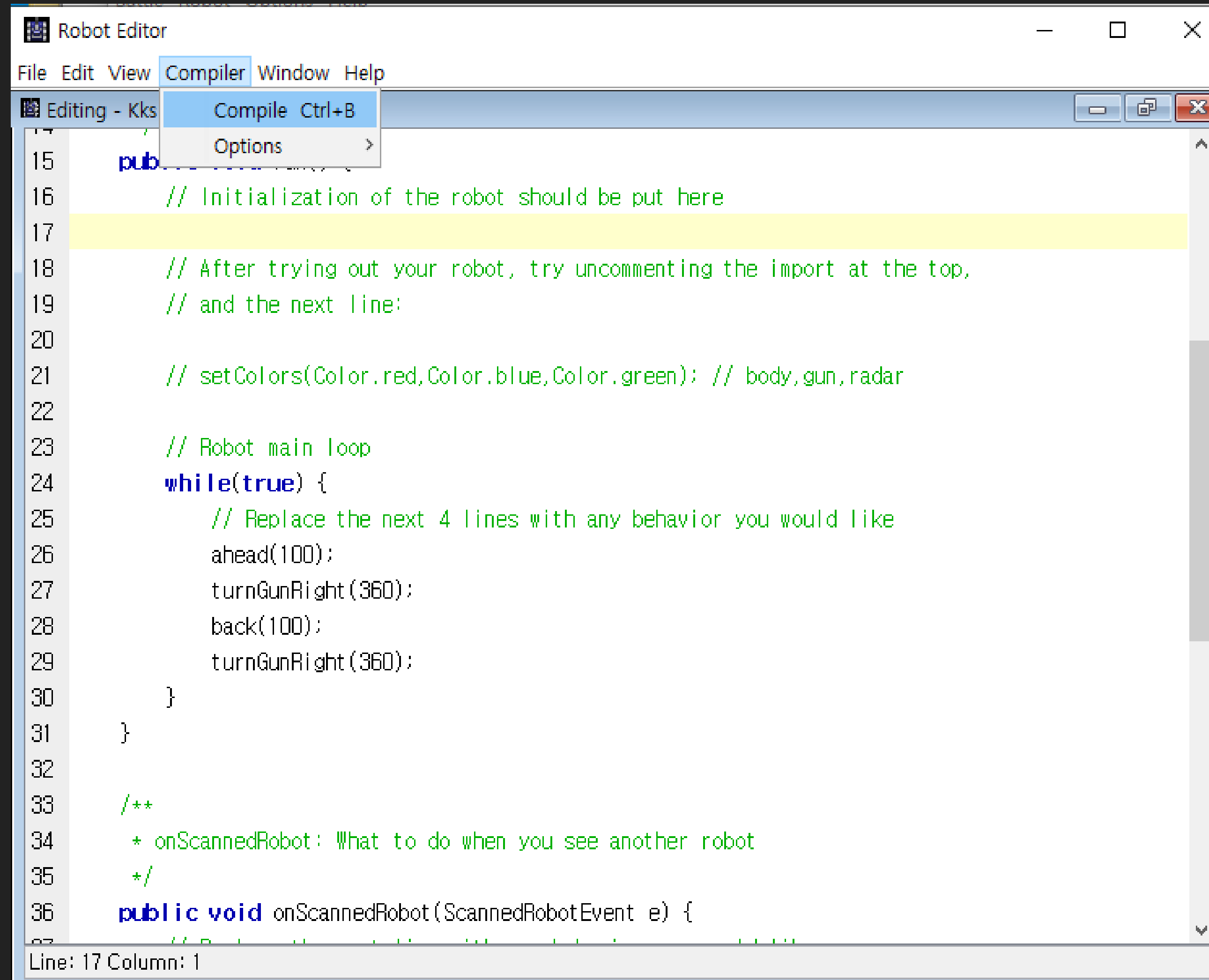
Robocode(Cont'd)

How to create my own robot



Robocode(Cont'd)

How to create my own robot



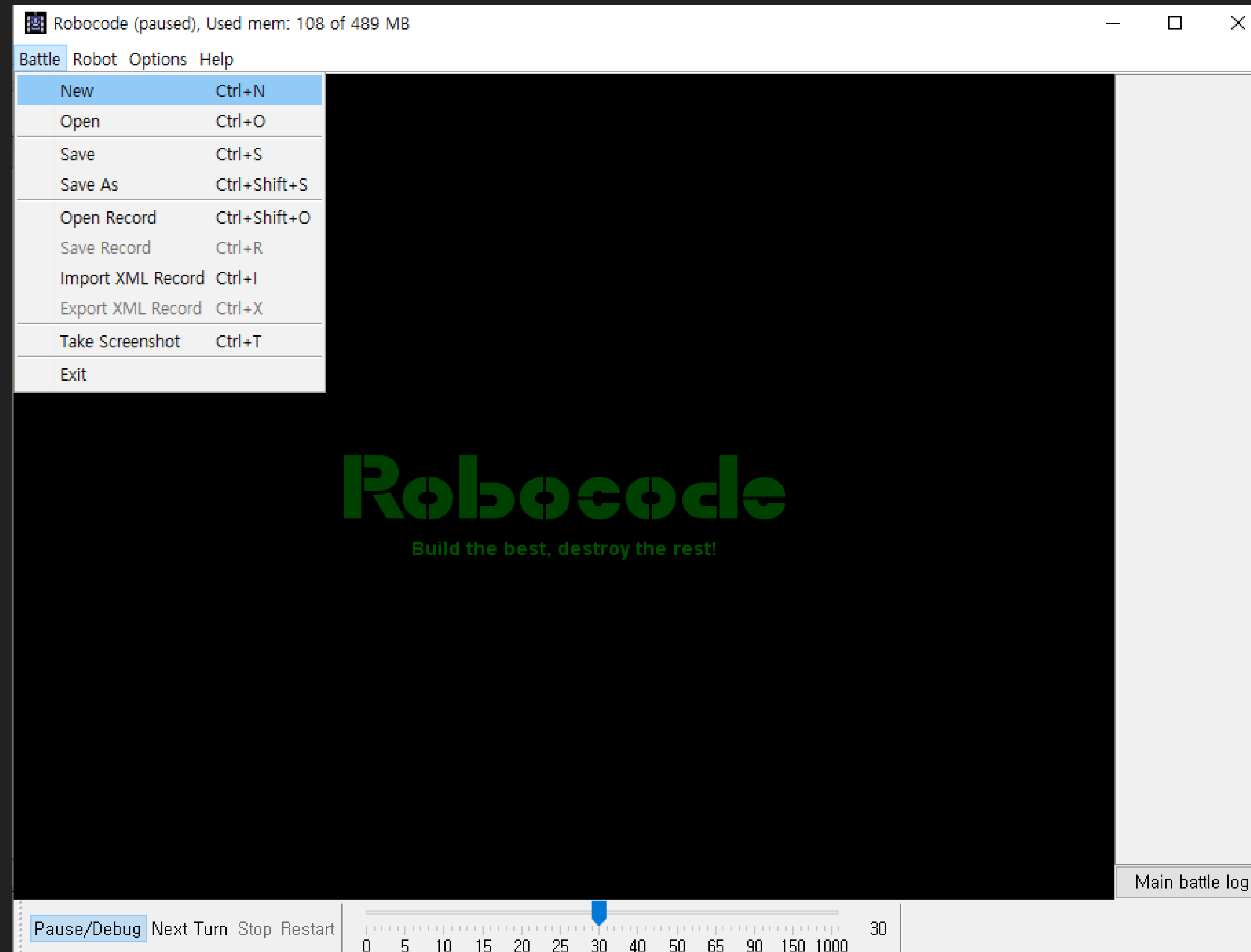
The screenshot shows the Robocode Robot Editor window. The menu bar includes File, Edit, View, Compiler, Window, and Help. The 'Compiler' menu is open, showing 'Compile Ctrl+B' and 'Options'. The code editor displays a Java template for a robot. Line 17 is highlighted in yellow. The code includes comments for initialization, a main loop, and a scanned robot event handler.

```
15  pub
16      // Initialization of the robot should be put here
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34   * onScannedRobot: What to do when you see another robot
35   */
36  public void onScannedRobot(ScannedRobotEvent e) {
37      // Replace the next 4 lines with any behavior you would like
38  }
```

Line: 17 Column: 1

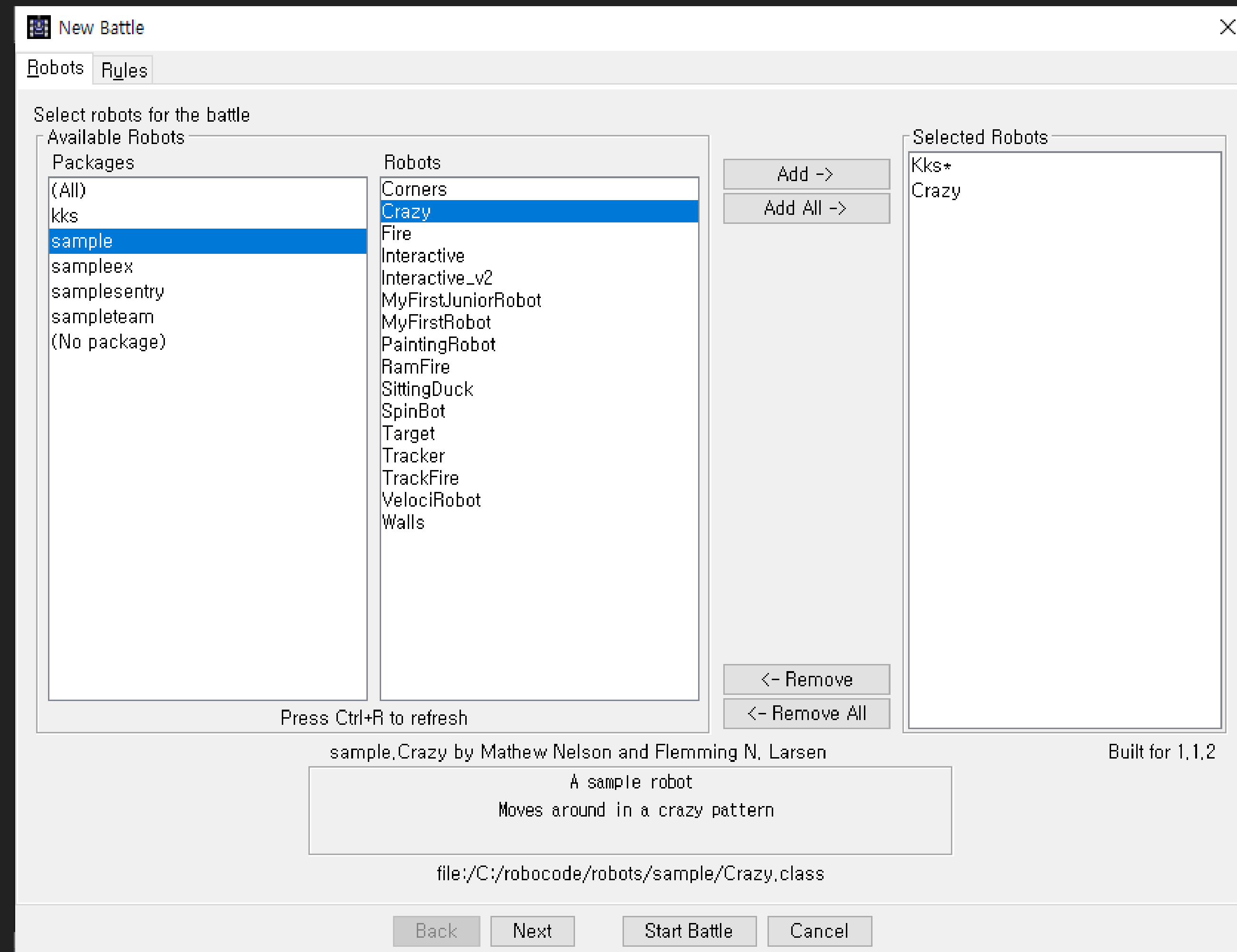
Robocode(Cont'd)

How to battle with my robot



Robocode(Cont'd)

How to battle with my robot



Robocode

How to battle with my robot

