

**MiniJava
Source
Code**

```
graph LR; A([MiniJava Source Code]) --> B[Lexical Analysis]; B --> C[Parsing]; C --> D[Semantic Analysis]; D --> E[Code Generation]; E --> F([Jasmin Assembly Code]);
```

The diagram illustrates the compilation process for MiniJava. It begins with 'MiniJava Source Code' in a dark gray oval on the left. An arrow points to 'Lexical Analysis' in a light gray rounded rectangle. This is followed by 'Parsing' in another light gray rounded rectangle. A vertical line connects 'Parsing' to 'Semantic Analysis' below it. 'Semantic Analysis' is in a light gray rounded rectangle, followed by 'Code Generation' in another light gray rounded rectangle. Finally, an arrow points from 'Code Generation' to 'Jasmin Assembly Code' in a dark gray oval on the right.

**Lexical
Analysis**

Parsing

**Jasmin
Assembly
Code**

**Code
Generation**

**Semantic
Analysis**