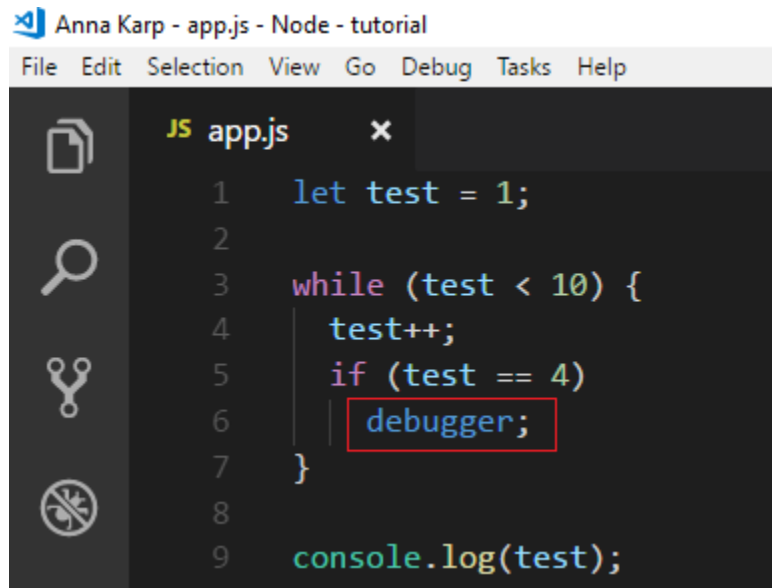

Option 1 – simple debug



The screenshot shows a window titled "Anna Karp - app.js - Node - tutorial". The menu bar includes "File", "Edit", "Selection", "View", "Go", "Debug", "Tasks", and "Help". The editor displays the following JavaScript code:

```
1 let test = 1;
2
3 while (test < 10) {
4   test++;
5   if (test == 4)
6     debugger;
7 }
8
9 console.log(test);
```

The `debugger;` statement on line 6 is highlighted with a red rectangular box. On the left side of the editor, there is a vertical toolbar with icons for file operations, search, and other development tools.

PROBLEMS

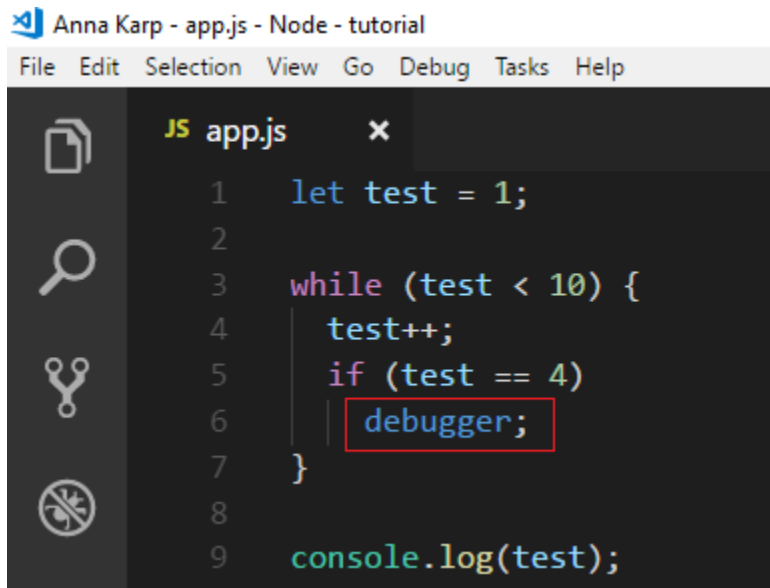
OUTPUT

DEBUG CONSOLE

TERMINAL

```
PS C:\Users\Anna.DESKTOP-RLP7NAJ\Desktop\Node - tutorial\00_argv> node inspect app
< Debugger listening on ws://127.0.0.1:9229/4651f927-8a6e-4e69-bcb0-88635aed0214
< For help see https://nodejs.org/en/docs/inspector
Break on start in app.js:1
> 1 (function (exports, require, module, __filename, __dirname) { let test = 1;
  2
  3 while (test < 10) {
debug> c
break in app.js:6
  4 test++;
  5 if (test == 4)
> 6 debugger;
  7 }
  8
debug> n
break in app.js:3
  1 (function (exports, require, module, __filename, __dirname) { let test = 1;
  2
> 3 while (test < 10) {
  4 test++;
  5 if (test == 4)
debug> repl
Press Ctrl + C to leave debug repl
> test
4
debug> n
break in app.js:4
  2
  3 while (test < 10) {
> 4 test++;
  5 if (test == 4)
  6 debugger;
debug> n
break in app.js:5
  3 while (test < 10) {
  4 test++;
> 5 if (test == 4)
  6 debugger;
  7 }
debug> repl
Press Ctrl + C to leave debug repl
> test
5
debug> c
< 10
< Debugger attached.
< Waiting for the debugger to disconnect...
debug> 
```

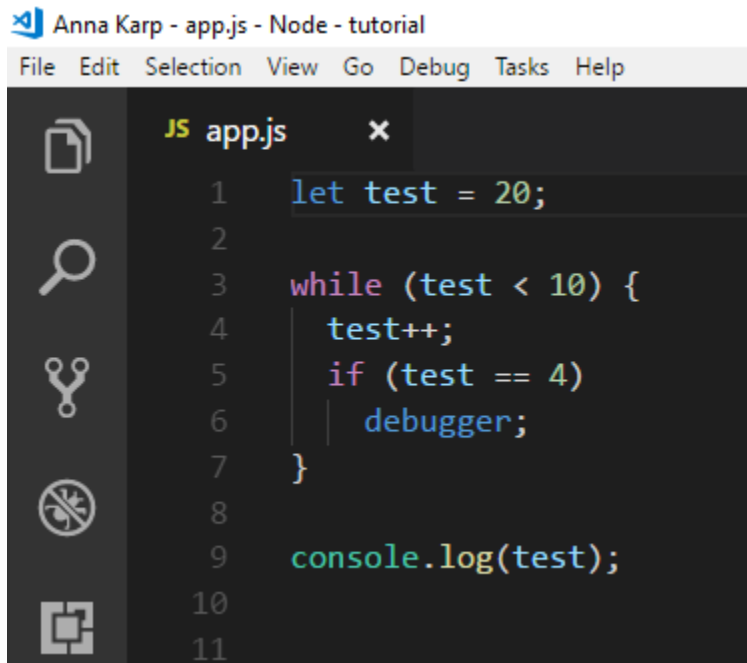
Option 2 – nodemon debug



The screenshot shows the Visual Studio Code editor interface. The title bar reads "Anna Karp - app.js - Node - tutorial". The menu bar includes "File", "Edit", "Selection", "View", "Go", "Debug", "Tasks", and "Help". The editor window displays the file "app.js" with the following code:

```
1 let test = 1;
2
3 while (test < 10) {
4     test++;
5     if (test == 4)
6         debugger;
7 }
8
9 console.log(test);
```

A red rectangular box highlights the `debugger;` statement on line 6. The left sidebar contains icons for Explorer, Search, Source Control, and Run and Debug.



The screenshot shows the Visual Studio Code editor interface. The title bar reads "Anna Karp - app.js - Node - tutorial". The menu bar includes "File", "Edit", "Selection", "View", "Go", "Debug", "Tasks", and "Help". The editor window displays the file "app.js" with the following code:

```
1 let test = 20;
2
3 while (test < 10) {
4     test++;
5     if (test == 4)
6         debugger;
7 }
8
9 console.log(test);
```

The code is identical to the previous screenshot, but the initial value of `test` is `20` instead of `1`. The `debugger;` statement on line 6 is still present. The left sidebar contains icons for Explorer, Search, Source Control, Run and Debug, and a new icon at the bottom.

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Users\Anna.DESKTOP-RLP7NAJ\Desktop\Node - tutorial\00_argv> **nodemon inspect app.js**

[nodemon] 1.17.3

[nodemon] to restart at any time, enter `rs`

[nodemon] watching: *.*

[nodemon] starting `node inspect app.js`

< Debugger listening on ws://127.0.0.1:9229/0defd55e-fd72-4456-9275-966cbd6aba09

< For help see <https://nodejs.org/en/docs/inspector>

Break on start in app.js:1

> 1 (function (exports, require, module, __filename, __dirname) { let test = 1;

2

3 while (test < 10) {

debug> **C**

c

break in app.js:6

4 test++;

5 if (test == 4)

> 6 debugger;

7 }

8

debug> [nodemon] restarting due to changes...

[nodemon] starting `node inspect app.js`

< Debugger listening on ws://127.0.0.1:9229/e7cab03a-ce20-447e-8223-3ba396142dc7

< For help see <https://nodejs.org/en/docs/inspector>

Break on start in app.js:1

> 1 (function (exports, require, module, __filename, __dirname) { let test = 20;

2

3 while (test < 10) {

debug> **C**

c

< 20

< Debugger attached.

< Waiting for the debugger to disconnect...

Option 3 – chrome debug

Anna Karp - app.js - Node - tutorial

File Edit Selection View Go Debug Tasks Help



The image shows a Visual Studio Code editor window with a dark theme. The title bar reads 'Anna Karp - app.js - Node - tutorial'. The menu bar includes 'File', 'Edit', 'Selection', 'View', 'Go', 'Debug', 'Tasks', and 'Help'. On the left is a sidebar with icons for Explorer, Search, Source Control, and Run and Debug. The main editor area shows a file named 'app.js' with the following JavaScript code:

```
1 let test = 1;
2
3 while (test < 10) {
4     test++;
5     if (test == 4)
6         debugger;
7 }
8
9 console.log(test);
```

The line `debugger;` on line 6 is highlighted with a red rectangular box.

```
PS C:\Users\Anna.DESKTOP-RLP7NAJ\Desktop\Node - tutorial\00_argv> node --inspect-brk app
Debugger listening on ws://127.0.0.1:9229/00687fff-7f5c-41e5-b00d-661044aa3a99
For help see https://nodejs.org/en/docs/inspector
```

