

How to debug typescript app with vscode

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Table of contents

[1. Setup](#)

[2. Code](#)

[3. Result](#)

[4. Troubleshooting](#)

[5. Reference](#)

1. Setup

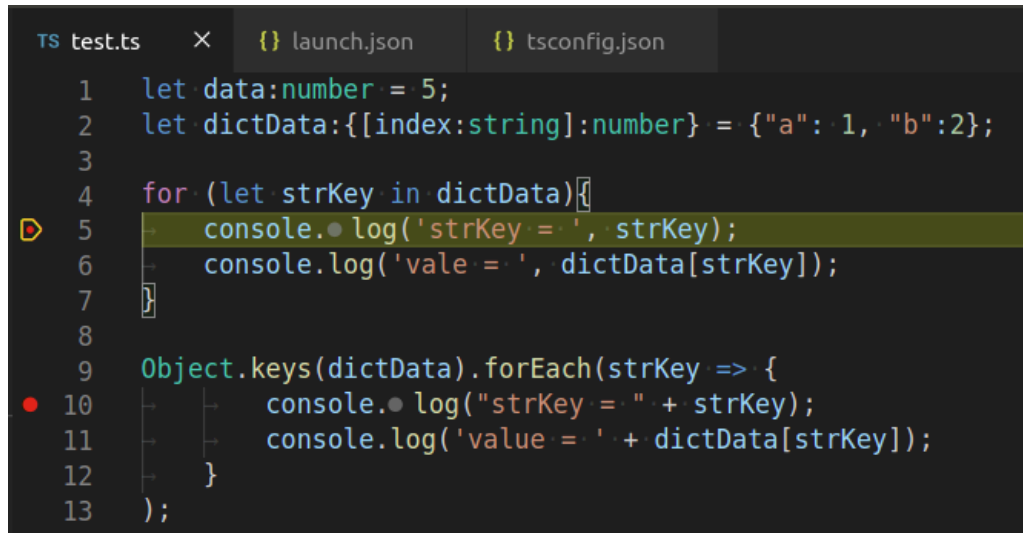
Step 1: Enable sourceMap

```
//File: tsconfig.json  
  
...  
"sourceMap": true,  
...
```

Step 2: Setup the debug configuration

```
//File: launch.json  
  
...  
"preLaunchTask": "tsc: build - tsconfig.json",  
...
```

2. Code



```
TS test.ts  X  {} launch.json  {} tsconfig.json
1  let data:number = 5;
2  let dictData:{[index:string]:number} = {"a":1, "b":2};
3
4  for (let strKey in dictData){
5      console.log('strKey = ', strKey);
6      console.log('vale = ', dictData[strKey]);
7  }
8
9  Object.keys(dictData).forEach(strKey => {
10     console.log("strKey = " + strKey);
11     console.log('value = ' + dictData[strKey]);
12 }
13 );
```

3. Result

```
strKey = a
vale = 1
strKey = b
vale = 2
strKey = a
value = 1
strKey = b
value = 2
```

4. Troubleshooting

1. The preLaunchTask 'tsc: build - tsconfig.json' terminated with exit code 127.
 - a.

Step 1: Open the vscode setting file: settings.json
[Setting] -> [Edit in settings.json]

Step 2: Change the environment inheritance setting

-
"terminal.integrated.inheritEnv": false,
+
"terminal.integrated.inheritEnv": true,

- b.

5. Reference

1. <https://code.visualstudio.com/docs/typescript/typescript-debugging>