



# Step 11 – Exporting and importing modules

TypeScript follows the ES6 module system, using **import** and **export** statements to share code between different files. Here's a brief overview of how this works:

## 1. Constant exports

math.ts

```
export function add(x: number, y: number): number {  
  return x + y;  
}  
  
export function subtract(x: number, y: number): number {  
  return x - y;  
}
```

main.ts

```
import { add } from "./math"  
  
add(1, 2)
```

## 2. Default exports

```
export default class Calculator {  
  add(x: number, y: number): number {  
    return x + y;  
  }  
}
```





Typescript 11 of 11

```
import Calculator from './Calculator';
```

```
const calc = new Calculator();  
console.log(calc.add(10, 5));
```

