

ARRAY

```
let list: number[] = [1, 2, 3];  
let list: Array<number> = [1, 2, 3];
```

TUPLE

```
// Declare a tuple type
let x: [string, number];
// Initialize it
x = ["hello", 10]; // OK
// Initialize it incorrectly
x = [10, "hello"]; // Error

console.log(x[0].substr(1)); // OK
console.log(x[1].substr(1)); // Error, 'number' does not have 'substr'

x[3] = "world"; // OK, 'string' can be assigned to 'string | number'
console.log(x[5].toString()); // OK, 'string' and 'number' both have 'toString'
x[6] = true; // Error, 'boolean' isn't 'string | number'
```