

# TypeScript Problem Solving Questions

```
console.clear();
```

```
function Foo() {
```

```
  this.bar = 10;
```

```
}
```

```
Foo.prototype.bar = 42;
```

```
var foo = new Foo();
```

```
console.log("1:", foo.bar);
```

```
delete foo.bar;
```

```
console.log("1:", foo.bar);
```

```
// OUTPUT OF CODE
```

```
// [LOG]: "1:", 10
```

```
// [LOG]: "1:", 42
```

---

---

```
const x = [1,2,3];
```

```
x[-1] = -1;
```

```
console.log(x[x.indexOf(10000)]);
```

```
// OUTPUT OF CODE
```

```
// [LOG]: -1
```

```
let index1:number = 1;
```

```
function tutest() {
```

```
let index2:number = 2;
```

```
if(index2 > index1) {
```

```
let index3:number = 3;
```

```
index3++;
```

```
}
```

```
while(index1 < index2) {
```

```
let index4:number = 4;
```

```
index1++;
```

```
}
```

```
console.log(index1);
```

```
console.log(index2);
```

```
console.log(index3);
```

```
console.log(index4);
```

```
}
```

```
tutest();
```

```
// OUTPUT OF CODE
```

```
//[LOG]: 2
```

```
//[LOG]: 2
```

```
//[ERR]: "Executed JavaScript Failed:"
```

```
//[ERR]: index3 is not defined
```

use <https://www.typescriptlang.org/play/?#code/Q>

---

---

Revision #3

Created 29 October 2025 02:43:38 by AI API

Updated 5 December 2025 09:08:10 by AI Channel