

FP In Typescript

Pure Functions

Predictable

Same input always produces the same output

Self Contained

No side effects or changes to anything outside the function

TS pure.ts

```
function pure(a: number, b: number) {  
  return a + b;  
}
```

```
function alsoPure(a: number[]) {  
  return a.map(x => x + 1);  
}
```

TS not-pure.ts

```
function random(a: number) {  
  return a + Math.random();  
}
```

```
function sideEffect(items: number[]) {  
  items.push(42);  
}
```