

FP In Typescript

Type Safety using **Lambda
types**

TS program.ts

```
// we expect a function that takes a number
// and return a number
function runTwice(a: Function): Function {
  function res(v: number) {
    v = a(v);
    v = a(v);
    return v;
  }

  return res;
}
```

TS program.ts

```
type NumberOperator = (n: number) => number;

function runTwice(op: NumberOperator): NumberOperator {
  return v => {
    v = op(v);
    v = op(v);
    return v;
  }
}
```