var g = "Sam"
Typescript => JS + types
Browser donot understand it => it compiles to JS
Helps catch error before running the code

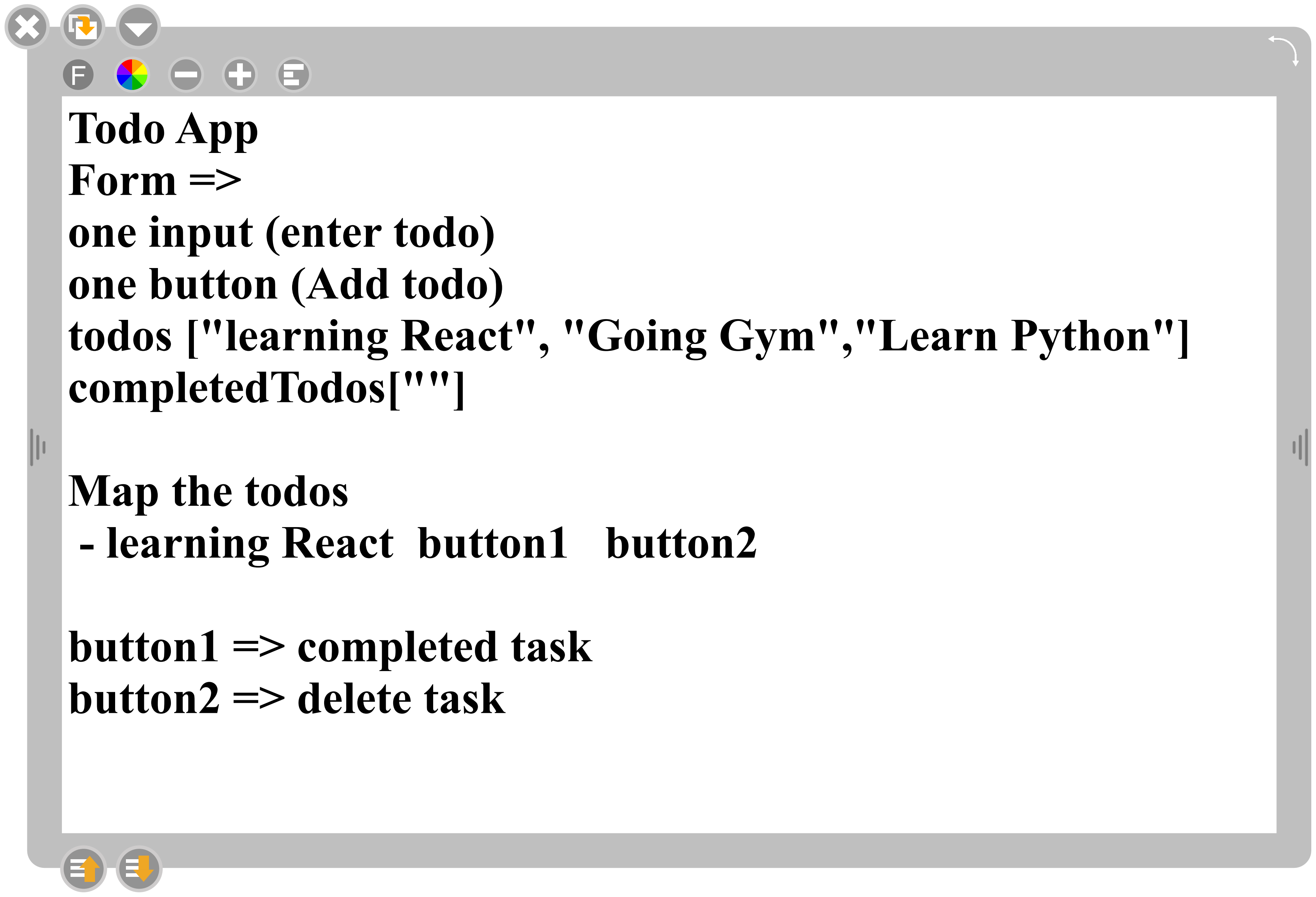
Dynamically typed language
Statically typed language
int a=45
var b=45
let age = 23
age="Sam"
let age:number=23
age="Sam"

WHY Typescript?

1. catch errors /prevent bugs
2. API response structures are predictable
3. Prop types become safer
4. Teams avoid the runtime errors

```
let price:number=54
  let name:string ="Sam"
  let isActive:boolean =True
  let marks:number[] =[12,13,12,14,15,16,23]
```

```
  function add(x:number,y:number):number{
    return x+y
    // Type Aliase
    // Iterface
    // Object
  }
```



Todo App
Form =>
one input (enter todo)
one button (Add todo)
todos ["learning React", "Going Gym","Learn Python"]
completedTodos[""]

Map the todos
 - learning React button1   button2

button1 => completed task
button2 => delete task