```typescript
    }
15  else if(day==='friday'){
16      dayofweek='friday'
17  }
18  else if(day==='saturday'){
19      dayofweek='saturday'
20  }
21  else if(day==='sunday'){
22      dayofweek='sunday'
23  }
24  else{
25      dayofweek='invalid day'
26  }
27
28  console.log(`day of the week is ${dayofweek}`) //day of the week is saturday
```
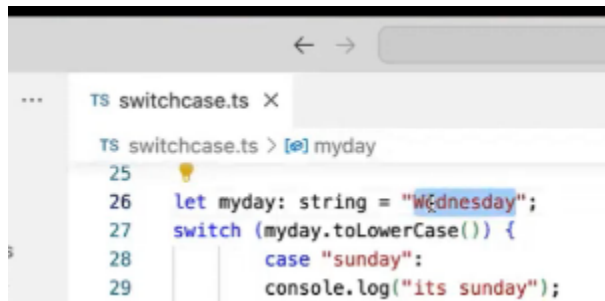
```typescript
//replacement to if else and faster than if else.

let day1:string='sunday'

switch (day1) {
    case 'monday':
        console.log('monday')
        break;
    case 'tuesday':
        console.log('tuesday')
        break;
    case 'wednesday':
        console.log('wednesday')
        break;
    case 'thursday':
        console.log('thursday')
        break;
    case 'friday':
        console.log('friday')
        break;
    case 'saturday':
        console.log('saturday')
        break;
    case 'sunday':
        console.log('sunday') //sunday
        break;


    default:
        console.log('wrong day')
        break;
}
```

Lowercase-
Changed 27 to convert string to lower case.

```ts
25
26    let myday: string = "Wednesday";
27    switch (myday.toLowerCase()) {
28            case "sunday":
29            console.log("its sunday");
```

```ts
switchcase2.ts > ...
1    //replacement to if else and faster than if else.
2    //if case doesnt match then goes to default.
3
4    let day1:string='Sunday'
5
6    switch (day1) {
7        case 'monday':
8            console.log('monday')
9            break;
10        case 'tuesday':
11            console.log('tuesday')
12            break;
13        case 'wednesday':
14            console.log('wednesday')
15            break;
16        case 'thursday':
17            console.log('thursday')
```

```
17              console.log('thursday')
18              break;
19          case 'friday':
20              console.log('friday')
21              break;
22          case 'saturday':
23              console.log('saturday')
24              break;
25          case 'sunday':
26              console.log('sunday')
27              break;
28
29          default:
30              console.log('wrong day') //wrong day
31              break;
```
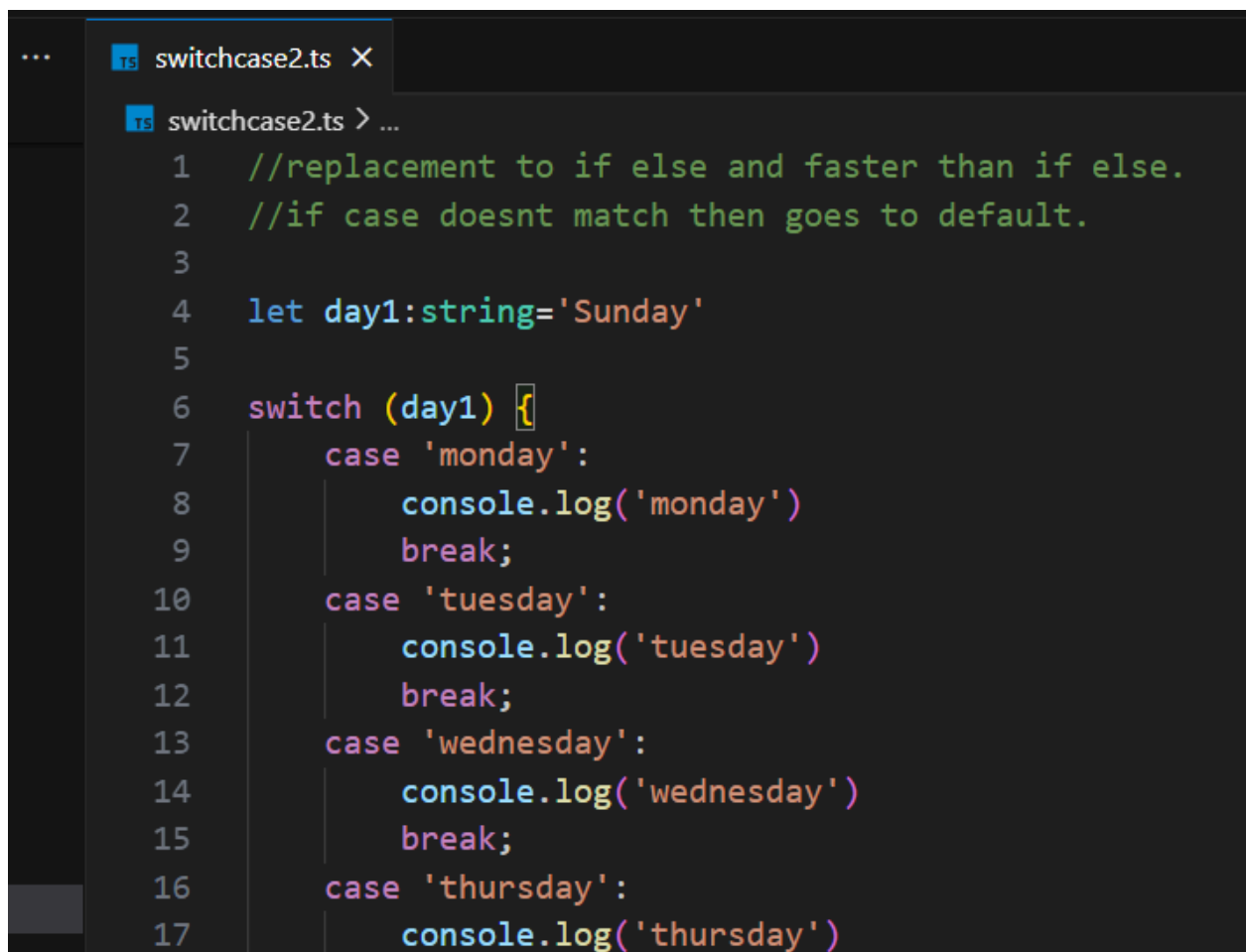
```
31              break;
32      }
```

Changed to lower case–

```ts
//replacement to if else and faster than if else.
//if case doesnt match then goes to default.
//change to lower or upper case

let day1:string='Sunday'

switch (day1.toLowerCase()) {
    case 'monday':
        console.log('monday')
        break;
    case 'tuesday':
        console.log('tuesday')
        break;
    case 'wednesday':
        console.log('wednesday')
        break;
    case 'thursday':
        console.log('thursday')
        break;
    case 'friday':
        console.log('friday')
        break;
    case 'saturday':
        console.log('saturday')
        break;
    case 'sunday':
        console.log('sunday')  //sunday
        break;
```

```
28          break;
29
30    default:
31          console.log('wrong day')
32          break;
33 }
```

Convert to upper case–

```typescript
switchcase4.ts ✕

switchcase4.ts > ...
1    //replacement to if else and faster than if else.
2    //if case doesnt match then goes to default.
3    //change to lower or upper case
4
5    let day1:string='Sunday'
6
7    switch (day1.toUpperCase()) {
8        case 'monday':
9            console.log('monday')
10           break;
11       case 'tuesday':
12           console.log('tuesday')
13           break;
14       case 'wednesday':
15           console.log('wednesday')
16           break;
17       case 'thursday':
18           console.log('thursday')
```

```
18            console.log('thursday')
19            break;
20        case 'friday':
21            console.log('friday')
22            break;
23        case 'saturday':
24            console.log('saturday')
25            break;
26        case 'sunday':
27            console.log('sunday')
28            break;
29
30        default:
31            console.log('wrong day') //wrong day
32            break;
33    }
```
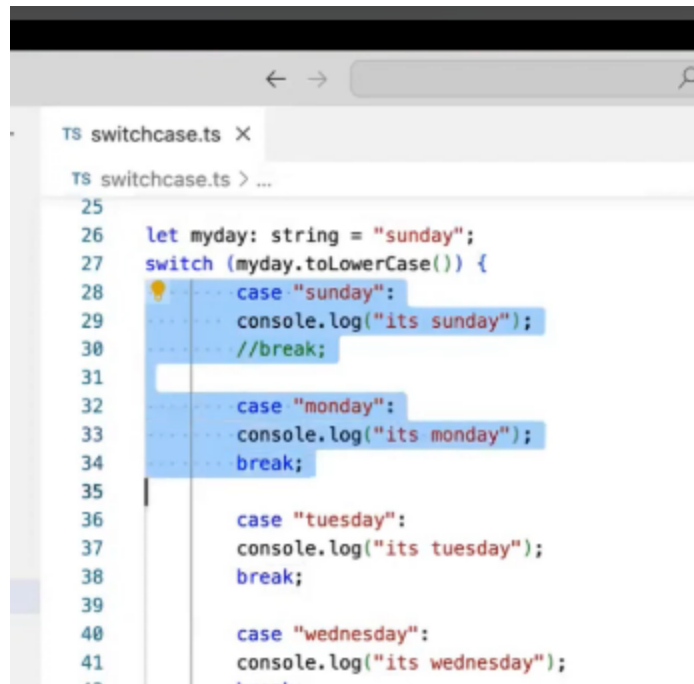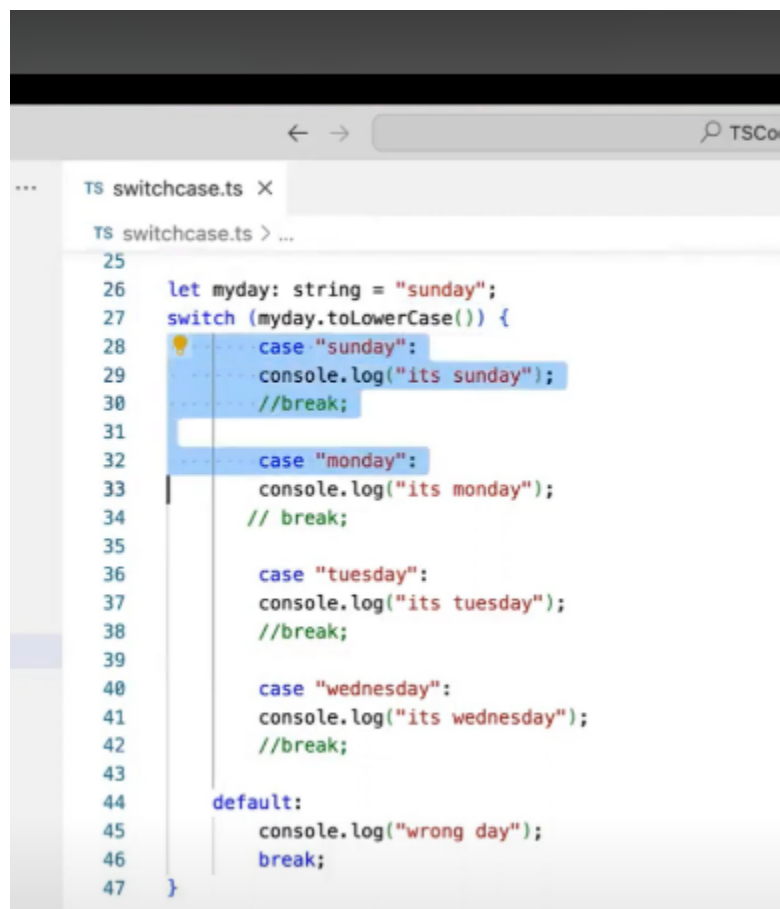
Abrupt break-
Which will work randomly.

```ts
25
26    let myday: string = "sunday";
27    switch (myday.toLowerCase()) {
28        case "sunday":
29            console.log("its sunday");
30            //break;
31
32        case "monday":
33            console.log("its monday");
34            break;
35
36        case "tuesday":
37            console.log("its tuesday");
38            break;
39
40        case "wednesday":
41            console.log("its wednesday");
```

```ts
25
26    let myday: string = "sunday";
27    switch (myday.toLowerCase()) {
28        case "sunday":
29            console.log("its sunday");
30            //break;
31
32        case "monday":
33            console.log("its monday");
34        // break;
35
36        case "tuesday":
37            console.log("its tuesday");
38        //break;
39
40        case "wednesday":
41            console.log("its wednesday");
42        //break;
43
44    default:
45            console.log("wrong day");
46            break;
47    }
```
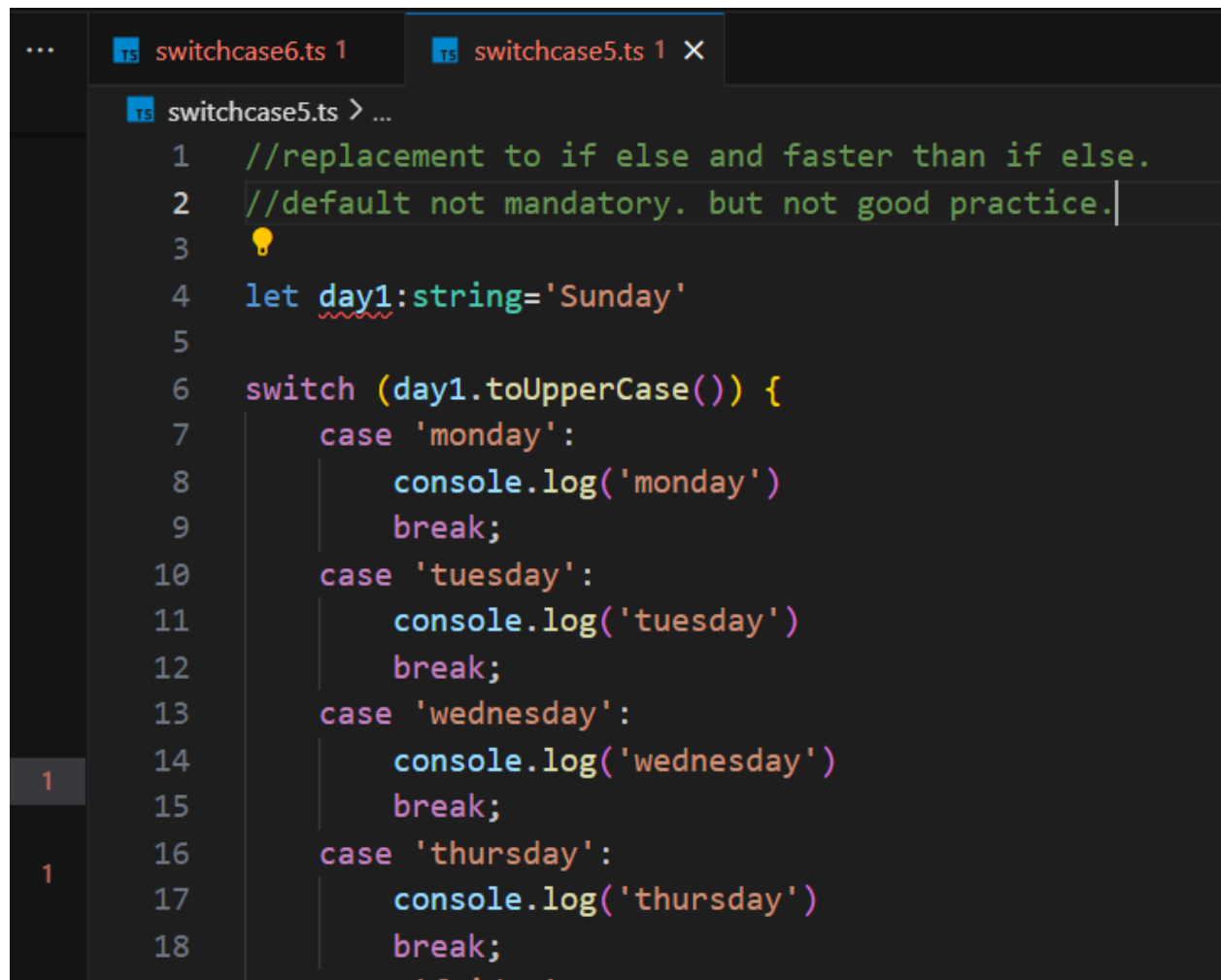
Default is not mandatory but good practice.

Can have case after default. But not good practice.

```ts
//replacement to if else and faster than if else.
//default not mandatory. but not good practice.

let day1:string='Sunday'

switch (day1.toUpperCase()) {
    case 'monday':
        console.log('monday')
        break;
    case 'tuesday':
        console.log('tuesday')
        break;
    case 'wednesday':
        console.log('wednesday')
        break;
    case 'thursday':
        console.log('thursday')
        break;
```

```typescript
18              break;
19      case 'friday':
20          console.log('friday')
21          break;
22      case 'saturday':
23          console.log('saturday')
24          break;
25      case 'sunday':
26          console.log('sunday')
27          break;
28  }
29
30  //nothing in output.
```

switchcase6.ts ×   switchcase5.ts

switchcase6.ts > ...

```typescript
1  //replacement to if else and faster than if else.
2  //case can be after default also. but not good practice.
3
4  let day2:string='Sunday'
5
6  switch (day2.toLowerCase()) {
7      case 'monday':
8          console.log('monday')
9          break;
10     case 'tuesday':
11         console.log('tuesday')
12         break;
13     case 'wednesday':
14         console.log('wednesday')
15         break;
16     case 'thursday':
17         console.log('thursday')
18         break;
```

```
18              break;
19      case 'friday':
20          console.log('friday')
21          break;
22      case 'saturday':
23          console.log('saturday')
24          break;
25
26
27      default:
28          console.log('wrong day')
29          break;
30
31      case 'sunday':
32          console.log('sunday')    //sunday
```

```
32              console.log('sunday')    //sunday
33              break;
34  }
```

Switch case with numbers-

```typescript
//switch case works with numbers also.

let marks:number=100;

switch (marks) {
    case 100:
        console.log('a grade') //a grade
        break;

     case 50:
        console.log('b grade')
        break;

    default:
        console.log('no marks')
        break;
}
```

```ts
//switch case works with numbers also.
//case cannot have conditional statements.
💡
let marks:number=100;

switch (marks) {
    case marks>90: //Type 'boolean' is not comparable to type 'number'.ts(2678)
        console.log('a grade') //a grade
        break;

     case 50:
        console.log('b grade')
        break;

    default:
        console.log('no marks')
        break;
}
```

Works for decimal also

```typescript
//switch case works with decimals also.
//case cannot have conditional statements.

let marks:number=100.3243;

switch (marks) {
    case 100.32433:
        console.log('a grade')
        break;

     case 100.3243:
        console.log('b grade') //b grade
        break;

    default:
        console.log('no marks')
        break;
}
```

Boolean not allowed

```ts
//switch with boolean also allowed.
//boolean not allowed.
//see the compile error.

let flag:boolean=true;

switch (flag) {
    case false: //Type 'false' is not comparable to type 'true'.ts(2678)
        console.log('a grade')
        break;

     case true:
        console.log('b grade')
        break;

    default:
        console.log('no marks')
        break;
}
```

```ts
//switch with boolean also allowed.
//boolean not allowed.
//see the compile error.

let flag:boolean=false;

switch (flag) {
    case false:
        console.log('a grade')
        break;

     case true: //Type 'true' is not comparable to type 'false'.ts(2678)
        console.log('b grade')
        break;

    default:
        console.log('no marks')
        break;
}
```

```ts
//switch case with enums.

enum browser{
    c1="chrome",
    f1='firefox',
    e1='edge',
    s1='safari'
}

switch (browser) {
    case c1: //Cannot find name 'c1'.ts(2304)
    //cannot directly pass enum values.

        break;

    default:
        break;
}
```

switchcase13.ts > browser

```typescript
1   //switch case with enums.
2
3   enum browser{
4       c1="chrome",
5       f1='firefox',
6       e1='edge',
7       s1='safari'
8   }
9
10  switch (browser) {
11      case browser.c1: //Type 'browser' is not comparable to type 'typeof browser'.ts(2678)
12      //cannot directly pass enum values.
13
```

```typescript
13
14          break;
15
16      default:
17          break;
18  }
```

switchcase14.ts > ...

```typescript
1   //switch case with enums.
2
3   enum browser{
4       c1="chrome",
5       f1='firefox',
6       e1='edge',
7       s1='safari'
8   }
9
10  let browsername:string=browser.f1; //Cannot redeclare block-scoped variable 'browsername'.ts(2451)
11
```

```ts
11
12    switch (browsername) {
13        case browser.c1:
14            console.log("hello")
15            break;
16
17        default:
18            break;
19    }
```

```ts
switchcase15.ts > ...
1    //switch case with enums.
2
3    enum browser{
4        c1="chrome",
5        f1='firefox',
6        e1='edge',
7        s1='safari'
8    }
9
10   let browsername:string=browser.f1; //Cannot redeclare block-scoped variable 'browsername'.ts(2451)
11
12   switch (browsername) {
13       case c1: //Cannot find name 'c1'.ts(2304)
14       //cannot directly pass enum values.
15
```

```ts
15
16            break;
17
18        default:
19            break;
20    }
```

TS switchcase16.ts > ⬓ browser

```typescript
1    //switch case with enums.
2
3    enum browser{
4        c11="chrome",
5        f11='firefox',
6        e11='edge',
7        s11='safari'
8    }
9
10   let b1:string=browser.f11;
11   // Cannot redeclare block-scoped variable 'browsername'.ts(2451)
12   // switchcase14.ts(10, 5): 'browsername' was also declared here.
13
```

```typescript
13
14   switch (b1) {
15       case browser.f11:
16           console.log('firefox') //firefox
17           break;
18       case browser.c11:
19           console.log('chrome')
20           break;
21       case browser.e11:
22           console.log('edge')
23           break;
```

```typescript
23            break;
24         case browser.s11:
25             console.log('safari')
26             break;
27
28         default:
29             console.log('no browser')
30             break;
31 }
```

switchcase12.ts 5 | switchcase13.ts 5 | switchcase14.ts 5 | switchcase15.ts 6 | switchcase16.ts | sw

switchcase17.ts > browser

```typescript
1    //switch case with enums.
2
3    enum browser{
4        c12="chrome",
5        f12='firefox',
6        e12='edge',
7        s12='safari'
8    }
9
10   //we try to use the enum name in strings.
11   //doesnt work.
12
13   switch (browser) {
14       case "c12": //Type 'string' is not comparable to type 'typeof browser'.ts(2678)
```

```typescript
14       case "c12": //Type 'string' is not comparable to type 'typeof browser'.ts(2678)
15           console.log('firefox')
16           break;
17       case 'f12':
18           console.log('chrome')
19           break;
20       case 'e12':
21           console.log('edge')
22           break;
23       case "s12":
24           console.log('safari')
```

```ts
24          console.log('safari')
25          break;
26
27      default:
28          console.log('no browser')
29          break;
30  }
```

TS switchcase18.ts > ...

```ts
1    //switch case with enums.
2
3    enum browser{
4        c13="chrome",
5        f13='firefox',
6        e13='edge',
7        s13='safari'
8    }
9
10   //even like this using directly the name doesnt work.
11
```

```ts
10   //even like this using directly the name doesnt work.
11
12   switch (browser) {
13       case "chrome":
14           console.log('firefox')
15           break;
16       case 'firefox':
17           console.log('chrome')
18           break;
19       case 'edge':
20           console.log('edge')
21           break;
22       case "safari": //Type 'string' is not comparable to type 'typeof browser'.ts(2678)
```

```
22        case "safari": //Type 'string' is not comparable to type 'typeof browser'.ts(2678)
23            console.log('safari')
24            break;
25
26        default:
27            console.log('no browser')
28            break;
29    }
```

We cannot directly pass enum to switch. We get error. So either get the enum first as shown below ~~or pass the browser name in quotes inside case statements.~~

Rbac - role based admin control

```
103          console.log( wrong browser info );|                    I
104            break;
105    }
106
107
108    //use cases:
109    //1. RBAC: admin, seller, partner, vendor, cat manager
110    //2. multi envs: DEV, QA, STAGE, UAT, PROD
111    //3. cross browser logic:
112    //4. reading multiple JSON/XML/EXCEL files
113
```

Enum not in js, so converts enum to function.