

```
... TS union1.ts X
TS union1.ts > ...
1 let userid:(string|number);
2 userid=-23434.32432
3 userid='karan'
4 console.log(userid) //karan|
```

With functions

```
7
5
6 function getUserInfomation(customerID: (string | number)){
7     if(typeof(customerID) === 'number'){
8         return customerID+"_naveen";
9     }
10    else if(typeof(customerID) === 'string'){
11        return "_naveen";
12    }
13 }
14
15 console.log(getUserInfomation(9001));

15 console.log(getUserInfomation(9001));
16 console.log(getUserInfomation("automation")); I
```

```
... union2.ts X
union2.ts > ...
1 //union with functions
2
3 function getuserinfo(customerid:(string|number)){
4     if(typeof(customerid==='number')){
5         return customerid+"_karan"
6     }
7     else if(typeof(customerid==='string')){
8         return "this is a string" + customerid
9     }
10 }
```

Cannot pass boolean-

```
15 console.log(getUserInfomation(9001));
16 console.log(getUserInfomation("automation"));
17 console.log(getUserInfomation(true));
```

```
... union3.ts 1 X
union3.ts > ...
1 //union with functions
2
3 //see if we try to return multiple values from function.
4 //compile error.
5 // Function lacks ending return statement and return type does not include 'undefined'.ts(2366)
6
7 function getuserinfo(customerid:(string|number)):(string|number){
8     if(typeof(customerid==='number')){
9         return customerid+"_karan"
10    }
11    else if(typeof(customerid==='string')){
12        return "this is a string" + customerid
13    }
14 }
15
```

```

14 }
15
16 let i1=getuserinfo(-34324.3244)
17 console.log(i1)
18
19 let i2=getuserinfo('-324324.32434')
20 console.log(i2)
21
22 console.log(getuserinfo(-324324.32432432))
23 console.log(getuserinfo('-324324.32432432'))

```

```

... union4.ts X
18 union4.ts > ...
1 //union with functions
2
3 //see if we try to return multiple values from function.
4 //compile error.
5 // Function lacks ending return statement and return type does not include 'undefined'.ts(2366)
6 //add return undefined.
7
8 function getUserinfo(customerid:(string|number)):(string|number){
9     if(typeof(customerid==='number')){
10         return customerid+"_karan"
11     }
12     else if(typeof(customerid==='string')){
13         return "this is a string" + customerid
14     }
15     // return null //compile error
16     //Type 'null' is not assignable to type 'string | number'.ts(2322)
17     return 'null'

```

```

17     return 'null'
18 }
19
20 let i1=getuserinfo(-34324.3244)
21 console.log(i1) //-34324.3244_karan
22
23 let i2=getuserinfo('-324324.32434')
24 console.log(i2) //-324324.32434_karan
25
26 console.log(getuserinfo(-324324.32432432)) //-324324.32432432_karan
27 console.log(getuserinfo('-324324.32432432')) //-324324.32432432_karan

```

```
... union5.ts X
union5.ts > [e] j1
1 //union with functions
2
3 //see if we try to return multiple values from function.
4 //compile error.
5 // Function lacks ending return statement and return type does not include 'undefined'.ts(2366)
6 //add return undefined.
7
8 function getUserinfo(customerid:(string|number)):(string|number){
9     if(typeof(customerid)=='number'){
10         return customerid+"_karan"
11     }
12     else if(typeof(customerid)=='string'){
13         return "this is a string" + customerid
14     }
15     // return undefined //compile error
16     //Type 'undefined' is not assignable to type 'string | number'.ts(2322)
17     return 'undefined'
18 }
```

```
18 }
19
20 let i1=getuserinfo(-34324.3244)
21 console.log(i1) //-34324.3244_karan
22
23 let i2=getuserinfo('-324324.32434')
24 console.log(i2) //-324324.32434_karan
25
26 console.log(getuserinfo(-324324.32432432)) //-324324.32432432_karan
27 console.log(getuserinfo('-324324.32432432')) //-324324.32432432_karan
```