# Push method in array

### Cannot add more than decided value

```
tuple1.ts 1 X
tuple1.ts > ...

//tuple has fixed size.
//cant add more elements.
//order also matters depends on data type.
//array order doesnt matter.

let p1:[string, number]=['naveen', 332434, -23443.23423 ]
//compile time error.
// Type '[string, number, number]' is not assignable to type '[string, number]'.
// Source has 3 element(s) but target allows only 2.ts(2322)
```

#### Order also matters

```
4  //array: dynaminc : runtime more values can be add
5  ...
6  let person: [string, number] = ["Naveen", "Pavil"];
7
```

#### Else error

```
tuple2.ts 2 x

tuple2.ts > ...

//order also matters in tuple.

//the way data types are present in same order we need to write.

let p1:[string, number]=[-324324.324324, 'karan']

//compile error

// Type 'number' is not assignable to type 'string'.ts(2322)

// 8
```

To give more values

Specify data type and value

If you specify data type not value then error

```
7 let user: [string, number, boolean] = ["Naveen", 100, true];
```

```
tuple3.ts •
tuple3.ts >...
    //to give more values, you first need to give more data types

let t1:[string,number, boolean]=['karan', -3434.324324, false]
console.log(t1) //[ 'karan', -3434.324324, false ]
```

### Print value

Tuple with arrays to store multiple pairs

In js it stores as list of list as tuple not present in js.

```
tuple6.ts x
tuple6.ts > ...
    tuple6.ts > ...
    let t1:[string, number][]=[['karan', -324.2344], ['tom', 423.3243]]

    console.log(t1) //[ [ 'karan', -324.2344 ], [ 'tom', 423.3243 ] ]

    console.log(t1[0]) //[ 'karan', -324.2344 ]

    console.log(t1[0]) //[ 'karan', -324.2344 ]

    console.log(t1[1][0]) //tom
```

Push method also works

```
Help  

Description

tuple7.ts 2 x tuple8.ts 2 tuple9.ts

tuple7.ts > ...

// push method also works with tuple.

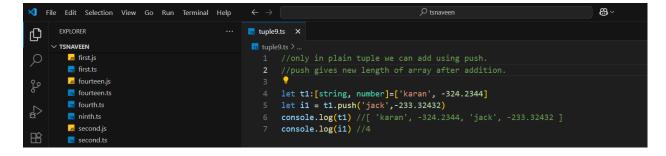
//it doenst work with tuple with arrays.

let t1:[string, number][]=[['karan', -324.2344], ['tom', 423.3243]]

t1.push('ravi', -343.23432)

// // compile error.

// Argument of type 'string' is not assignable to parameter of type '[string, number]'.ts(2345)
```



# ocd-