

Data Types In TypeScript

Typescript datatype:-

TypeScript is statically type object oriented programming language. it means, the data members should have their fixed datatype.

Datatype defines witch kind of value is going to be store inside the variable.

All the TypeScript will not force to define datatype, but it is not good practice to declare variables (data members) without defining their types.

Below are the some primitive data-types in typescript.

Sr. No.	Dat <mark>aty</mark> pe	Description
1	number	The number datatype can store both integral as well as decimal values.
2	string	The string datatype store the text, in typescript We can define string value using " " or ' ', If it is needed to store character value then also we need to using string datatype as char data type is not available in typescript.
3	boolean	The boolean datatype can store one of the two values either true or false.
4	any	Once the variable is define with any datatype then then that veritable can store



 Data	Types	In	TypeScript	
		any value.		
		user and we ar	are getting value from end re not aware witch kind of r is going to pass at that time tatype.	;

Below is the program to declare data members in typescript, and to describe how to print their values inside html. In typescript How to declare variables and their types:

```
src > app > A app.component.ts > 4 AppComponent > P remark
      import { Component } from '@angular/core';
      @Component({
        selector: 'app-root',
        templateUrl: './app.component.html',
        styleUrls: ['./app.component.css']
      export class AppComponent {
        studentRollNo:number=1;
 11
        studentName:string='xyz';
 12
        studentDivision:string='B';
 13
        studentMarks:number=78.99;
       🔽 isApplicabele:boolean=true;
        remark:any='We can pass any kind of remark';
 15
 17
```



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Data Types In TypeScript

1. How to print values of those variables in html.

Non-primitive datatype:

Complete Java Classes

In typescript object and arrays are the non-primitive data types.

> Array:- Array represents sequence of elements in single entity.

We can define array using two ways.

- a. Using array symbol '[]'
- b. Using Array class.



Data Types In TypeScript Below example justify both ways.

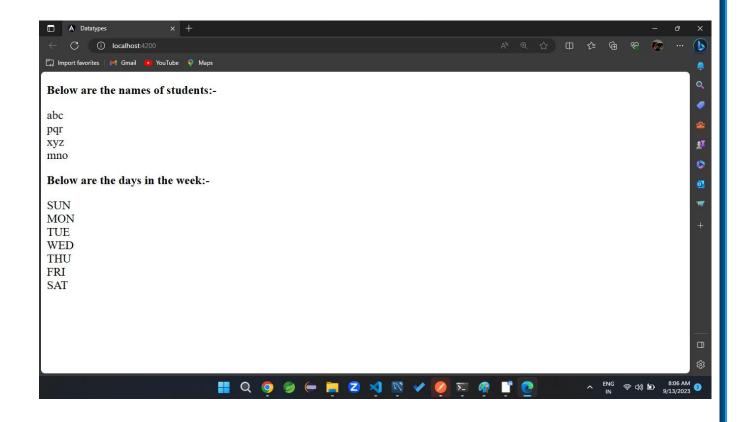
1. Declaration of array.

2. How Iterate arrays in html and print that values.



Data Types In TypeScript

Output:-





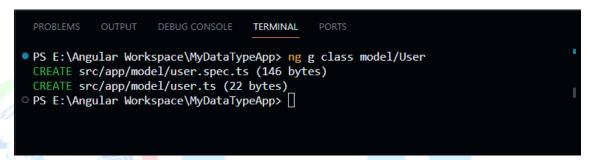
Data Types In TypeScript

Doubject:-

In order to create objects in TypeScript we should create our own non-primitive data type that is nothing but custom class.

1. Using below command to create a class

ng g class model/User



2. Declare data members in side this class

```
src > app > model > rs user.ts >  User >  mobileNo

1    export class User {
2
3     userId:number;
4     userName:string;
5     userEmail:string;
6     mobileNo:number;
7
8  }
9
```



Data Types In TypeScript

3. Assign value for User inside you component.

```
src > app >  app.component.tx >  app.component.html M

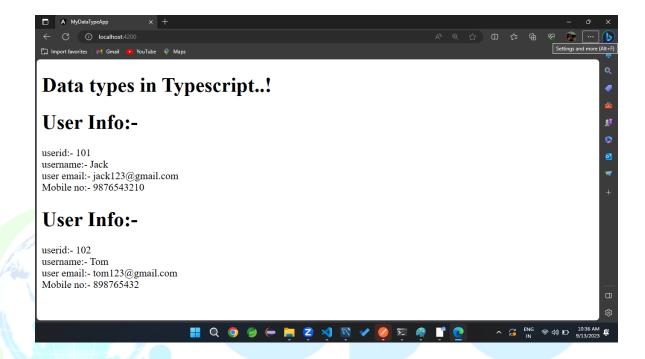
src > app >  app.component.tx >
```

4. Print the user object properties in html of a component.

```
<h1>User Info:-</h1>
userid:- {{user.userId}}<br>
username:- {{user.userName}}<br>
user email:- {{user.userEmail}}<br>
Mobile no:- {{user.mobileNo}}
```



Data Types In TypeScript OutPut:-



Complete Java Classes