

Typescript Assignment I

September 16, 2024

4NM21CS071

TypeScript - Assignment Questions - Data types

1. Declare a string variable name with the value "John" and print it.
2. Declare a number variable age with the value 25 and print it.
3. Declare an array ids with numbers 1,2 and 3 and print it.
4. Declare an object person with keys name and age and print it.
5. Declare a tuple coordinates with elements 10 and 20.
6. Declare an array colors with strings "red", "green", and "blue" and print it.
7. Declare a boolean variable isStudent with the value true and print it.
8. Declare an object personDetails with key having string type and print it.
9. Declare a variable data with any "Hello, world" and print it.

Assignment questions on Arrays

10. Declare an array numbers containing numbers 1,2, and 3 and print it.
11. Declare an array names containing strings "Alice", "Bob", and "Charlie" and print it.
12. Declare an array mixed containing a mix of numbers and strings and print it.
13. Declare an empty array fruits and push strings "apple", "banana", and "orange" into it. Print the array.

1.

```
let name:string = "Jhon"
console.log(name)
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js
Jhon
```

2.

```
let age:number=25
console.log(age);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js
25
```

3.

```
let ids:number[] = [1,2,3]
console.log(ids)
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js
[ 1, 2, 3 ]
```

4.

```
let person:object={
  name:"Jnanesh",
  age:21
}
console.log(person);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js
{ name: 'Jnanesh', age: 21 }
```

5.

```
let coordinates:[number,number]=[10,20]
console.log(coordinates);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js
[ 10, 20 ]
```

6.

```
let colors: string[] = ["Red", "Green", "blue"];
console.log(colors);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js
[ 'Red', 'Green', 'blue' ]
```

7.

```
let isStudent: Boolean = true;
console.log("isStudent : ", isStudent);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js
isStudent : true
```

8.

```
let persondetails: {  
  name: string;  
} = {  
  name: "Jnanesh",  
};  
console.log(persondetails);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js  
{ name: 'Jnanesh' }
```

9.

```
let data:any = "Hello, world"  
console.log(data)
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js  
Hello, world
```

10.

```
let numbers: number[] = [1, 2, 3];  
console.log(numbers);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js  
[ 1, 2, 3 ]
```

11.

```
let names: string[] = ["Alice", "Bob", "Charlie"];  
console.log(names);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js  
[ 'Alice', 'Bob', 'Charlie' ]
```

12.

```
let mixed: (number | string)[] = [15, "batman", "hehe",10];  
console.log(mixed);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js  
[ 15, 'batman', 'hehe', 10 ]
```

13.

```
let fruits: string[] = [];  
fruits.push("apple");  
fruits.push("banana");  
fruits.push("orange");  
console.log(fruits);
```

```
PS D:\Finacle Training\TypeScript\Assignment> node .\test.js  
[ 'apple', 'banana', 'orange' ]
```