

## Typescript quiz (**Basic Level - 1**)

This is a document of TypeScript basic questions. Answer these to improve your knowledge. The level of questions will increase as you grow.

### How to Submit answers? (Choose any one method)

**Method 1** : Make separate google docs, write answers and send the link to the group.

**Method 2** : It's better if you maintain a github repository for these questions and write answers in the form of markdown files (.md) with code and then share the link to the repo.

Learn how to write .md here

<https://medium.com/@saumya.ranjan/how-to-write-a-readme-md-file-markdown-file-20cb7cbcd6f>

## Theory -

1. What are the basic data types in TypeScript?
2. What is Generic data type.
3. What is type inferring in TS.
4. What are the possible ways to define typing for functions.
5. How to define Generic type for Classes.

## Program -

Define the types in typescript for the given following JavaScript code.

Todo:

- Define type/interface for a single Todo object.
- Define type for each function.
- Do not use `any` (TS Data Type) type of typescript.

Code:

```
var todos = [];  
  
function add(name, description) {  
  return todos.push({  
    name: name,  
    description: description,  
    done: false  
  });  
}
```

```
}  
function remove(index) {  
    return todos.splice(index, 1);  
}  
function list() {  
    todos.forEach(function(todo, index) {  
        console.log(index + " - " + todo.name);  
    });  
}  
function update(index, name, description) {  
    todos[index].name = name;  
    todos[index].description = description;  
    return todos[index];  
}
```