

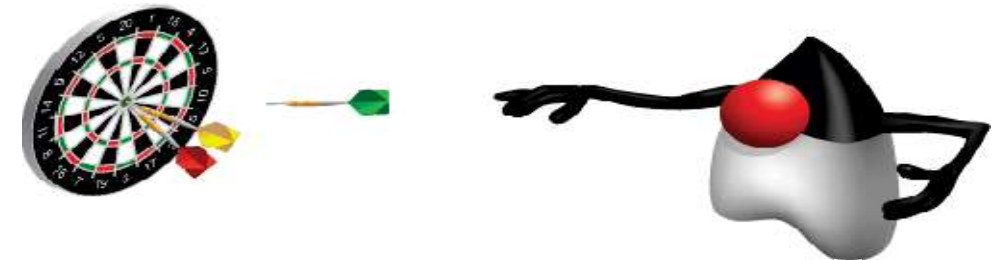
# 8

## Modules and Namespaces

# Objectives

After completing this lesson, you should be able to do the following:

- Modules
- Namespaces





# Introduction to Modules

- A Module is TS/JS File, Which Contains Variables, Methods, Or Full Fledged Class.
  - Making This Available to Who is in Need of it.
  - ES6 or TypeScript Provides a Solution to this Problem [ Modules and Namespaces ]. So that it Can Released as a Lib and Used Else Where .
- With a Simple Syntax
  - import
  - export



# Intro to Namespaces

- A Namespace is TS/JS File, Which Contains Variables, Methods, Or Full Fledged Class.
- Making This Available to Who is in Need of it [ But Within the File Itself ].
- ES6 or TypeScript Provides a Solution to this Problem [ Modules and Namespaces ]. So that it Can Released as a Lib and Used Else Where .
- With a Simple Syntax
  - export

```
namespace UtilityFunctions {
```

```
    export charAt(index: number): string {
```

```
        ...
```

```
    }
```

```
    export concat(stringVal1: string, StringVal2: string): string {
```

```
        ...
```

```
    }
```

```
}
```

- 
- `class Employee {`
- 
- `Attributes`
- 
- `Operations`
- 
- `UtilityFunctions.charAt(2);`
-



# Summary

In this lesson, you should have learned how to:

- Modules
- Namespaces

