

Class Declaration

- Configures a class that allows export.
- You can export the class from current module and use in any another module.
- Eager Loading [Loads automatically when module is loaded into memory].

Syntax:

```
class ClassName
```

```
{  
}
```

Class Expression

- Configures local class
- It will not allow exporting
- It is accessible and used in the local module.
- Lazy Loading [Loads into memory only when requested]

Syntax:

```
var refName = class {
```

```
}
```

FAQ: What is the purpose of “export” keyword?

- Every member defined in a module is by-default local.
- To mark any member as global, so that it can be accessed outside module you have to use “export”.

Syntax:

```
export class ClassName
```

```
{  
}
```

FAQ: What is the purpose of “default” marker?

- Default is not a keyword.
- “default” is a marker, which is used to define that it is the default member to export.
- If a module contains multiple classes and you want only one class by default to export then mark it as “default”

Ex:

```
export default class Category
```

```
{  
}
```

```
export class Product
```

```
{  
}
```

Class Members:

- A class can contain only following members
 - Property
 - Method
 - Constructor
 - Accessor

FAQ: Can we define a variable in Class?

- No
- Class allows data only in property.

FAQ: What is difference between Property and Variable?

- Variable
 - It is immutable

- Its structure can't change dynamically according to state and situation.
- Can't have authorized access.
- Class should allow dynamic; hence variables are not allowed in class.
- Property
 - It is mutable
 - Can change according to state and situation.
 - Can have authorized access.

FAQ: Can we define a function in Class?

- No
- Class can define functionality by using method.

FAQ: What is difference between function and method?

- Function
 - Can't change dynamically
 - Always intended to return a value
 - It is used to build expression
 - Class can't define expression, but it can use expression.
- Method
 - Method can change dynamically
 - It is not intended to return a value.
 - It configures a functionality, which can use expression.

