**ES6**

Compiler babel

Module loader webpack or system js

Link to Setup local ES-6 development environment: Tophemen/vanilla-es6-jpsm

Which browser supports which features of es6

Kangax/github.io/compact-table/es6/

**Content Modules**

**01-Block Scope and let**

**Let allows using block scoping in javascript**

**Syntax changes and extensions**

**Let and const**

**Let is used for block scope like**

**Example-a**

**If (true)**

**{**

**Let name=’max’;**

**}**

**Console.log(name)**

**//error as name is only available in if block .**

**Example-b**

**If (true)**

**{**

**Let name=’max’;**

**Console.log(name)**

**}**

**Output max**

**Example-c**

**Let name=’Ali’**

**If (true)**

**{**

**Let name=’max’;**

**Console.log(name)**

**}**

**Console.log(name)**

**Output: max**

**Ali**

**Const:**

**const are refrence type and only change refrence supported elements values like arrays and objects**

**Example-a**

**Const name=’max’;**

**Console.log(name);**

**Output:max.**

**Example-b**

**Const name=’max’;**

**Name=’Ali’;**

**Console.log(name);**

**Output: error**

"TypeError: Assignment to constant variable.

**Hoisting with let and const**

**Declaration before initialization**

**Like**

**Example-a**

**Age=30;**

**Console.log(Age);**

**Var Age;**

**Example-b**

**Age=30;**

**Console.log(Age);**

**Let Age;**

**error**

**Valid approach is always initialization before declaration.**

**Example-c**

**Let x;**

**X=2;**

**Example-d**

**Function doSomething()**

**{**

**Age=29;**

**}**

**Console.log(Age);**

**Fat Arrow Functions**