**Variables**

Variables is a box where we can store a value. We can use variables reference over and over on our code.

**JavaScript Variables Name Declaration**

1. Variables name can’t be start by Uppercase Letter
2. Variables name can’t contain (, &)
3. Variables Name can’t Start with Number
4. Variables Name can’t be JavaScript Reserve Words.
5. To Store Real Constant Values Declare the Variable Name with all Uppercase Letter
6. Variable name is to be related to its stored values( this is for more clean code)

Type Conversion & Type Coercion

**Type Conversion:** Type Conversion means manually convert data one type to another type.

**Type Coercion:** It means automatically convert data one type to another(JavaScript doing it for us automatically).

Falsy Values

**Falsy values:** Falsy values are values that are exactly false but will bacame false  when we try to convert them into Boolean. In javaSscript 05 (five) falsy values.they are: 0, " ",null, Undefined, NaN;

Expression & Statement

**Expression:**Expression is a pice of code that produces a value;

example: 2\*3 ,1996 , true&&false&& !true (because that a produces a boolean value)

**Statement:** statement is like a bigger pice of code,that is executed and which doesn't produce a value on it self.

example: if,else & switch statement.

***Function***

**Function:**Function is simply a piece of code that we can reuse over and over again in our code. its like a variable but difference between variables and function is that- a variables can holds a value but function can holds one or more than complete lines of code.

Function is a value.as like string,number,boolean.

Function is not a type like string type or Number type.function is a value that's why we store a function in a variable

1. const calcAge2=function(birthYear){
2. return 2037-birthYear;
3. }

**Anonymous Function:**Which function has not a name, this type of function called Anonymous Function. Example:

1. const calcAge2=function(birthYear){
2. return 2037-birthYear;
3. }

In Function Declaration we called the function before function is Created; but in Function Expression this is not worked.

1. const age1=calcAge1(1991);
2. function calcAge1(birthYear){
3. return 2037-birthYear;
4. }
5. console.log(age1);