and Java Script Pundametals - Part 1 Jan

* values and variables:-

* variable name can't start with anumber.

* It Contain only number, letter, under Scole

or the dollar sign.

* It can't be renamed as reserved Keys.

*Data Types: -

rulat is the difference Between lets Const and, varie

* let: is used in the Situation that Many Change Naviable value later.

* const:- used in the Situation that can't be reassigned like Birthyanr - Hust be assigned sight.

* Usir:- is used in Es6, and it must be avoided be to reasons will be medianed later

* operator Precedence: -

Check MDn operator Precedence to Know more - Migher Lower

and String template literals Jam

and the variables can be inserted using & E.J.

const fullCv = OI'm zeyad, I'm from \${country},
console.log(fullCv);

(Type Conversion and Coersion)

Type

```
const inputYear = '1991';
console.log(Number(inputYear)))
console.log(inputYear + 18);
```

Convert String to anumber which allows me do math appendions upon it.

Conversion

```
console.log(String(23), 23); String Sunction Converts
the input to String
```

Type Coersian; It menns to Convert one Type to another automateably with using any Freetion

```
console.log('I am ' + 23 + ' years old')

console.log('I am ' | 123' + ' years old')

the + Converts numberto

String
```

```
console.log('23' - '10' - 3); the operator perform the opposite it converts the string to another.
```

Ette next values will be converted to False: These are Called fulsy values:

* Equality operator == Us === C == Performs type Coersian For example

```
it converts string to number then
Compare the values.
> '18' == 18

← true
```

t === doesn't Perform any Coersian, it must be the exact value and data type.

* The difference Between Statement and expression

ex Pression: - Produces avalue such as:

```
1991
true && false && !false
```

* Statuets: - doesn't produce values but it Perform action depend upon Conditions.

```
if (23 > 10) {
const str = '23 is bigger';
```

such as if and Switch cases.

K tenery oferators Can be used inside a string literals.

```
console.log(`I like to drink ${age >= 18 ? 'wine \frac{\sigma}{\sigma}'
: 'water \ldot '}`);
```

it is used in "be Cause it is Considered expression as it returns avalue.