Automatic type conversion by Is * Type Coerdon: * S+(N) type S+(S) type "I am" + 22 + " years old" (1) ° 1 an " + 22 (storing) + (number) auto convert string "I an" + "22" (concentration) =) a tam 22° (2) "I am 22" + " years old = am er years old"

=) because adding is possible b/w strings ar concatenation: all other Conser story is commented to number because Ohd alternatic operations are not possible b/w strings.

2 5 + 10 + 423° 4 429° - 410' + 5

a.
$$923^{\circ} - 910^{\circ} + 5$$

a. $923^{\circ} - 910^{\circ} + 5$

b. $923^{\circ} + 10^{\circ} + 10^{\circ} + 5$

3 5 + $923^{\circ} + 10^{\circ} + 10$

* == V8 ===

10 = = 10 → free

(2) "10" == 10 -> true

(3) PID" === 10 -> false values = 10, 10

dtype = striy, Number

e10" = == "10" -> true values = 10,10 oftype = string, string

X = = Y (loose)

This only compares valves

X = = = Y (shict)

this compares both value and data type * If - else statements: if (and tim) 1 if (condétion) à code a soony you " Can get" Cannot get License y'cense Catleast 18 mms condition of me) * you decide what to print adition based upon age. Else block Slock

* Experimenting with If - else:

```
const day = "wednesday";
if (day == "monday") {
    console.log("I have to go for a doctor appointment");
}
if (day == "monday") {
    console.log("I have to go for shopping");
}
if (day == "tuesday") {
    console.log("I have an exam");
    console.log("I have a weddding to attend");
} else {
    console.log("I dont know what to do");
}
378
```

```
const day = "monday";
if (day == "monday") {
    console.log("I have to go for a doctor appointment");
} e/se {
    console.log("I dont know what to do");
}
if (day == "monday") {
    console.log("I have to go for shopping");
}
if (day == "tuesday") {
    console.log("I have an exam");
    console.log("I have a weddding to attend");
}
```

869, 372, 378

```
const day = "monday";

if (day == "monday") {
    console.log("I have to go for a doctor appointment");
}

if (day == "monday") {
    console.log("I have to go for shopping");
}

if (day == "tuesday") {
    console.log("I have an exam");
    console.log("I have an exam");
    console.log("I have a wedding to attend");
} else {
    console.log("I dont know what to do");
}
```

```
const day = "tuesday";

if, (day == "monday") {
    console.log("I have to go for a doctor appointment");
} else {
    console.log("I dont know what to do");
}

if (day == "monday") {
    console.log("I have to go for shopping");
}

if (day == "tuesday") {
    console.log("I have an exam");
    console.log("I have a weddding to attend");
}
```

341, 347, 348

* flse-if statements

const day = "abcd": If (day == "monday") { console.log("Plan course structure"); else if (dav == "tuesdav") { console.log("Prepare for exams"); else if (day == "wednesday") { console.log("Write examples for coding lectures"); } else if (day == "thursday") { console.log("Watch recordings"); } else if (day == "friday") { console.log("solve assignments"); Velse if (day == "saturday") { console.log("Revise all notes"): else if (day == "sunday") { console.log("attempt contest"); console.log("Please enter a valid day");

Condition * Always ele/ affected a previous ebe If block If statement. If block (condition) next else If else if 4()5 next else if else if 1f () { F179 -else 3f() }

* Scope of a variable (Baric):

```
- Can Prink ALGORD is created
  const age = 18;
                                     Just de If, else statements house
  if (age >= 21) {
                                     It is acceptable in those regions
   } else {
                                    only
                                                    , dollars
                                 block
      Is obesit
    know about
                                               USA
   this variable
* not defined
 Refirence book.
```

* Ternary operator:

(short hand If else)

```
( Condition)? Statement x: statement y

The

Place
```