\* To know the data type of the \* Dota types: type of value any Kind of textual Information tg: type of 1284 -> mmby anything in double quoter type of eAmrag - string let fintName = 4 Amrago; type of year 2. Number - Any mathematical real number L) type of 2001 → number let a = 123; \* type of e2001" -> shing lef b= 12.45; 14 C= 01/25; type of 2001 -> number let d = -6.23; type of false -> booken ty to of efalse" -> storng 3. Boolean - true/false let are you brunk = true; let x = false; 4. understed - no value / empty Box

* Is is a dynamically	typed langua
→ data types a	re for values for variables
	in the second
let a = 100;	<del></del>
9 = 800;	100 200
a = a Hello world";	6.25
a = true;	6.25
a = 6.25;	a

```
# offer ways.
   let name = eAmray";
                                   nare
  const year = 2001;
                                   2001
   var Job = eteacher";
                                   year
  * const variables connot
      be changed, they are
                                    SAV
        immutable.
                                * MR is old J8,
  * anot day;
                                  we will only use
     console log (day);
                                  let, const.
    - Const cannot be undefined.
 -> For now we say you and let are similar.
```

(discussed during functions).

\* operators # Arithmetic operators: t, -, \*, /, \*\*, % 8 = 8 + 7 10 VI6 => (16) 1/2 => 16 \*\* (1/2) \* Ignore decimal part payeInt (152.678) 2/27 => (24) /3 => 97 \*\* (1/3) ts: 152.618 →152 \$ 152 let as = 2.19823 11%3 = \* mund off to 3 decimal points ans. bfixed(9) -> 12·199 19%2=1 a 1/0 b = ans raye of ans [0,6-1]

$$x = 0$$
  $x = 0$   $x =$ 

20,1,2,39

9.1.3 = 0

# Addition with strings: (+) Joins/Concatenator two storys

Const first Name = e Rambir's Court lost Name = e Kapoor's comole log (first Name + last Name)

Console · log (firstName + a " + lostName);

<sup>q</sup>kanby<sup>n</sup> + <sup>q</sup>kapon<sup>n</sup>
U

<sup>q</sup>kanbyskapoor<sup>n</sup>

rkepoorb

Ekarbis " + "Kapoor"

Ekarbis Lepor"

"kanbir" + " + e kepoor"

\* Ayramic Strings;

```
const name = "Soham";
   const job = "Mechanical Engineer";
   const age = 2024 - birthYear;
   console.log("Hi I am Anurag, 23 years old, working as a software engineer");
           eff Ian Soham, 22 years old, working as a soffwer engineer?
  "Hi Iam " + name + ", " + age + " years old, working as a " + job
template lifer of 8
  I. Identify dynamic perts chare to & g variable &
  2. map in backticks (1)
            ${name}, ${age}
                               vears old, working
```

# Assimption operates: =, +=, \*=, /=, -=, %=, \*\*=, ++, -
# Comparision operates: ==, >, <, >=, <=, (=)

hot earals

\*  $99 < 99 \rightarrow F$   $99 < -99 \rightarrow F$ \*  $99 < -99 \rightarrow F$ \*  $99 < -99 \rightarrow F$