**TYPE ASSIGNMENT AND TYPE INFERENCE**

**Type Assignment :**

let a: number = 5;      const b = 7;

here we are assigning the type to the variable **"a"** that may change in the future but not to the variable **"b"** cause it's type never going change in the future due to constant assignment.

**Type Inference:**

let a = 5;    const b = 7 ;

when we leave it to the typeScript to decide what type of assignment it is at the time of assignment then it is call type inference.

**Note: If type is not provided to a variable, then typescript decides its type at the time of assignment and this is called type inference.**