When you assign a variable to another, it is a reference to an object not the object itself. When you copy an object b=a both variables will point to the same address. This behaviour is called **copy by reference value**. It would be copy by reference if after reassigning a to ‘new string’, b would also point to the same address and have the same ‘new string’ value.

But in **copy by value** when you assign a variable to another, the value is actually copied; these are two distinct, independent copies. Changing one wont affect another. Example: Variable types of number and strings in JS