**TYPESCRIPT PUBLIC, PRIVATE AND READONLY PROPERTIES**

* The public, private and readonly keywords only exist in typescript.
* By default all the properties in the class are public.
* The **private** keyword is used to mark a property as private to the class.
  + The private properties can not be accessed from outside of the class directly.
  + The private property must be accessed through methods defined inside the class.
* The **readonly** keyword makes a filed as readonly, not assignment can be made to it after it was created.
* console.log('Class !');
* *class* Students {
* readonly studentId: *number*;
* studentName: *string*;
* studentAge: *number*;
* studentStandard: *string*;
* private studentSubject: *string*[]; //? can only be accessed from inside the function.
* *constructor*(*name*: *string*, *age*: *number*, *standard*: *string*, *id*: *number*) {
* this.studentId = *id*;
* this.studentName = *name*;
* this.studentAge = *age*;
* this.studentStandard = *standard*;
* this.studentSubject = [];
* }
* getName() {
* return this.studentName;
* }
* addSubject(*subject*: *string*) {
* this.studentSubject.push(*subject*);
* }
* getSubject() {
* return this.studentSubject;
* }
* }
* *const* student = new Students('Harshit Bhawsar', 23, 'Software Developer', 25);
* console.log(`student Name => ${student.studentName}`); //? accessible cause its a public property.
* //! console.log(`student subjects => ${student.studentSubject}`) Error: private property to the class.
* //! student.studentSubject = ['English'] Error: private property to the class.
* student.addSubject('Maths'); //? accessible from  inside the class.
* console.log(`student subjects => ${student.getSubject()}`); //? accessible from  inside the class.
* //! student.studentId = 45 Error: readonly field cannot be changed.