1. In strict mode y with cause error because it’s not declared with var, let or const unliked without strict mode which won’t have error and will run fine
2. No it will not work in strict mode since x is defined after logging it in the console
3. Value of y is undefined because it is declared after it is logged into the console which won’t work since it’s declared using var
4. Alertx will cause error since it is used before it’s definition , and it is defined with let which has block scope and is not hoisted , logging i into console will cause error as well since i is defined with let inside a loop and it can not be accessed outside the loop. The main difference between var and let is that var has function scope (or global scope) and is hoisted to the top of its scope, while let has block scope and is not hoisted.