

Shadowing global object properties is never allowed, this is checked for all names on all levels and always treated as error

## GlobalObject

x member  
x member

# Script

,x decl

.x decl

## x TypeDecl

## x Member

x (args)

x decl

## x Function

x (implicit/explicit function args)

x decl

## Catch

x (catch var)

x deck

## Ex Function

x (implicit/explicit function args)

x decl

## x Function

x (implicit/explicit function args)

x dec

## Catch

x (catch var)

## x Function

x (implicit/explicit function args)

x decl

## Catch

- x (catch var)

- x dec

In a given scope level  
all named declarations  
are checked against  
each other for name  
duplication (except  
named expressions)

Shadowing  
(variable)  
declaration is  
allowed and not  
checked

Named declarations that introduce new scope cannot be shadowed. This check is transitive and applies an all levels

Member arguments (or member initiator arguments) and FormalParameters are treated as declarations inside function scope and are checked for name clash with other declarations in this scope level and with containing function name (if any)

CatchVariable is checked only for shadowing in containing scope, it is not propagated further