Text

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Undefine,8,8,9,10 and 1

2. **Define Global Scope and Local Scope in Javascript.**

Global Scope: a scope which defines the global environment for function and variables Local Scope: the inner scope defined by a function to determine the visibility and accessibility of variables.

Text, letter

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Ans -> (b),(d) and (e)

Text

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Ans -> 81 and 25

Graphical user interface, text

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Ans -> 10

Graphical user interface, text, application, email

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**7. In the definition of add( ) shown in question 6, identify the "free" variable. In the context of a function closure, what is a "free" variable?**

**Ans.** COUNTER is the free variable Free variable are those variables which are not locally defined inside the closure function or not passed as a parameter to the closure but can be used by the closure.

Graphical user interface, text

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A screenshot of a computer

Description automatically generated with medium confidence

**9. Suppose you are given a file of Javascript code containing a list of many function and variable declarations. All of these function and variable names will be added to the Global Javascript namespace. What simple modification to the Javascript file can remove all the names from the Global namespace?**

**Ans.** The simplest modification to do would be to use module pattern, wrapping the the entire code construction inside an anonymous function.

Graphical user interface, text, application, letter, email

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Text

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**11. Rewrite your answer to Question 10 using the Anonymous Object Literal Return Pattern.**

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**12. Rewrite your answer to Question 10 using the Locally Scoped Object Literal Pattern.**

Text

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**13. Write a few Javascript instructions to extend the Module of Question 10 to have a public address field and public methods setAddress(newAddress) and getAddress( ).**

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Answer : Error: Hattori

Text

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Answer : Success: Hattori