**Computer Programming 1  
Essential Standard 4.00 Understand Variables and Naming Conventions  
Study Guide**

1. What is the syntax to declare a variable?
2. Complete the table

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| --- | --- | --- | --- |
| DataType | Values | Prefix | Declaration Example |
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1. What is an assignment statement?
2. Which way does the value move when assignment a value to a variable.
3. How would you declare the following variables and initialize the values?
   * strColor, red
   * intAge, 16
4. What is concatenation?
5. Write the statement to concatenate strString1, intVar and strString2 and display the result in lblDisplay.
6. What is variable scope? Lifetime?
7. What are the three types of variable scope?
8. What is the ToString method?
9. What is the syntax to use the ToString method?
10. Write the statement to display dlbNumVar in the label lblAnswer and formatted to show a dollar sign.
11. What is the format function?
12. How would you use the format function to display dlbNumVar in the label lblAnswer and formatted to show a dollar sign? Textboxes
13. What is a TextBox?
14. Define the following properties.  
     (Name)   
     Text   
     Alignment   
     PasswordChar
15. What is a prompt?
16. What datatype does a TextBox return?
17. Write a statement to get input from the txtInput TextBox to the variable dblInput.
18. What is a TextChanged Event?
19. What is a MessageBox?
20. Write the statement to show the message “Programming” in a messagebox.
21. What is the syntax?
22. What are static variables?
23. How do you declare a static variable?
24. What are constant variables?
25. How do you declare a constant variable?
26. What is a counter?
27. What is the Hungarian Notation prefixes for the following control objects?
    * Form
    * Button
    * Label
    * Text Box
    * Radio Button
    * Check box
    * Image
    * Combo Box
    * Picture Box
    * List box
    * Menu