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Javascript Course: Chapter 3 Lab Exercises

- 1) Create an HTML document with the basic document structure as demonstrated in the Chapter 1 lecture. In the document body add script tags with the appropriate attributes to add Javascript code.
- 2) Declare a variable called age and assign it the value 35. Using the chart below code correct if...else...if statements to produce the correct output according to the value in age.

Age Range	Output
Under 18	"You're just a pup! "
18-29	"Welcome to young adulthood... Have fun now (while you can!)"
30-39	"It's time to getting serious about career and family"
40-49	"Time to start thinking about retirement. Make sure you're saving."
50-59	"Enjoy your life now! You've done well."
60 or Over	"60 is the new 40. Do something exciting!"

- 3) Test your code. Try changing the value in age and make sure it still works correctly.
- 4) Declare and initialize a variable called discountCode and assign it the value C. Declare another variable called discountRate. Use a switch/case/break structure to determine the value of discountRate based on the discountCode. If the discount code is A the discount rate is .0325. If the discount code is B the discount rate is .05. If the discount code is C the discount rate is .075. If the discount rate is D the discount rate is .10.
- 5) Before the switch declare a variable called amountOfSale and set its initial value to 27.95. Using the correct math operators and document.write output the amountOfSale after the discount code is applied. Remember that if you use parentheses in an expression whatever is between the opening and closing parentheses will be executed first.

- Note:** You may get a number with quite a few decimal places to the right of the decimal sign. We'll talk about rounding numbers later in the course.
- 6) Adjust your code so it still works if the discount code were entered as a lower case letter.

Correct Browser Output:

