Assignment 4 **This assignment is optional if you use a switch statement for assignment 5 # 1.**

1. You must name you file and program Oilers.

Create a program that will allow the user to enter the number of goals that each player on the Edmonton Oilers scored last year. After you enter the number of points of each player, the computer should keep track of how many players had between 0-10 points, 10-20 points,2 0-30 points, 30-40 points, 40-50 points, 50-60 points, 60-70 points,7 0-80 points, 80-90 points,9 0-100 points, and more than 100 points. This could be done with a number of if-else statements, but you need to use a **switch** statement to determine which group the number of points falls into. At the end print out the number of players in each category is sort of a table format:

Since **switch** statements can only check for one value and not range of values, the scores need to be input as follows; if the players scored 74 points, input 70 and then all players with between 70-79 points will be input as 70. If you want more of a challenge, think about how you can use the modulus operator (gets the remainder of division) to automatically have the computer convert 74 to 70, or 36 to 30.

These are the number of Oilers with:

0-10 points: 0

10-20 points: 2

2 0-30 points: 5

30-40 points: 5

40-50 points: 3

50-60 points: 0

60-70 points: 2

7 0-80 points: 0

80-90 points: 1

9 0-100 points: 1

more than 100 points: 0

1. What is the difference between a **do-while** statement and a **while** statement.