Problem Solving 2
- Q1: Multi-way if statement

Write a multi-way if-else statement that evaluates a student academic performance on the following criteria:

- A GPA ≥ 3.0, output Honor
- A GPA ≥ 2.0, output Good Standing
- A GPA < 2.0 and ≥ 1.5, output Poor
- A GPA < 1.5, output Very Poor
- Q2: Salesman Commission

A salesperson is given commission on the following basis:

<table>
<thead>
<tr>
<th>SALES</th>
<th>COMMISSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 500</td>
<td>2 % of SALES</td>
</tr>
<tr>
<td>500 and under 5000</td>
<td>5 % of SALES</td>
</tr>
<tr>
<td>5000 and over</td>
<td>8 % of SALES</td>
</tr>
</tbody>
</table>

Write a program which reads SALES and prints the corresponding commission.
Q3: Leap Year

Design and implement a program that reads a four digit integer representing a year, then it determines whether the year is a leap year or not. Display the year that you entered and a message indicating whether it is leap or not.

A year is leap if:

- it is divisible by 4 and not by 100, or
- it is divisible by 400.
- Q4: Averaging a List of Scores

Design and implement a program that prompts the user to enter a set of scores, then computes and displays the average, min, and max score.
Q5: Sum of Even and Odd Integers

Design and implement a program that computes the sum of the even numbers and the sum of odd numbers between 1 and 100.
THE END