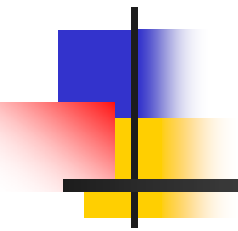
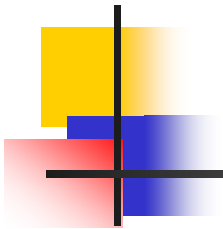


Problem Solving 2



- Q1: Multi-way if statement

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

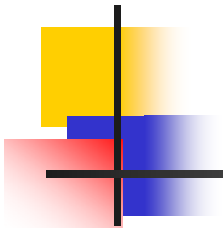
- A GPA $\geq$ 3.0, output Honor
- A GPA $\geq$ 2.0, output Good Standing
- A GPA < 2.0 and $\geq$ 1.5, output Poor
- A GPA < 1.5, output Very Poor

- Q2: Salesman Commission

- A salesperson is given commission on the following basis:

SALES	COMMISSION
Under 500	2 % of SALES
500 and under 5000	5 % of SALES
5000 and over	8 % of SALES

- Write a program which reads SALES and prints the corresponding commission.

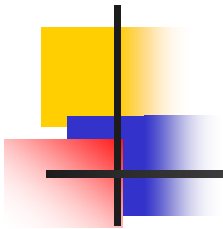


- Q3: Leap Year

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.

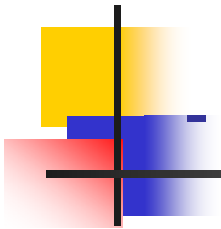
A year is leap if:

- 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