Selection Control Statements

Selection Control Statements: Sample Program List
determine_pass_fail.py *This program illustrates the most basic form of if-then-else statement. The program inputs the test score and displays the result (pass/fail). Test score above 70 is pass.*
determine_pass_fail_2.py *The second version of determine_pass_fail.py that takes the student's age into consideration when determining the pass/fail result. The program illustrates the use of nested if statements.*
compute_recommended_weight.py *This program illustrates the use of boolean functions and the basic if-else statement for computing the recommended weight given the person's age and height.*
compute_total_wage.py *This program computes the total wage as the sum of base salary and commission. The if-else and if-elif-else statements are used in the functions for computing the salary and commission.*
leap_year.py *The leap year can be determined as follows:* *1. divisible by 4 but not by 100 (1796 is leap, but 1800 is not)* *   (divisible by 100 is a century year 1600, 1700, 1800, etc)* *2. divisible by both 4 and 100 and also by 400 (2000 is leap)* *This programs shows how the leap year determination can be implemented in seven different ways (uses seven different styles of if statements).*