

Aims and Objective:

1. Write program with conditional statement
2. Work out correct Boolean expression in conditional statement

1. Using if, else if and else statement, write a program to print students' grade based on the following grading criteria. You may assume that the user input is always a possible integer.

Grade	Grade boundaries
A	80
B	75
C	60
D	45
F	Otherwise

Case	Input	Output
1	35	F
2	60	C
3	100	A
4	74	C

2. Write a program which reads 3 integer values (you may assume all inputs are positive integer) from the user. The 3 values are interpreted as representing the lengths of the sides of a triangle. The program prints a message saying whether the triangle is equilateral (all sides equal), isosceles (only 2 sides equal), scalene (all sides unequal), or impossible (can't form a triangle). A triangle can be formed only if the sum of the length of any 2 sides is greater than the length of the 3rd side and the length of all the sides of the triangle are positive.

Case	Input	Output
1	3 4 5	scalene
2	3 3 3	equilateral

3	5	isosceles
	5	
	2	
4	1	impossible
	2	
	10	

3. In some European countries, the symbol of currency decimal point is "," instead of ".". Write a program that accepts a floating-point number (double) and reprint the number with comma as the decimal point. Round your output to two decimal places.

Case	Input	Output
1	3.1415	3,14
2	5.6	5,60
3	2.055	2,06
4	0.012	0,01

Challenging (Optional): Can you finish the program without conditional statement?