Assignment 1
Conditionals (if / else)

1. Write a program to find the maximum of two numbers stored in variables.

2. Write a program to find the maximum of three numbers stored in variables.

3. Write a program to check whether a number is negative, positive or zero. Print out "negative", "positive", or "zero".

4. Write a program that prints "YES" if a number is divisible by both 5 and 11, and prints "NO" otherwise.

5. Write a program to check whether a year is a leap year or not.

6. Write a program to check whether a character is an uppercase or lowercase alphabet. Print "U" for uppercase and "L" for lowercase.
HINT: You can compare two characters. Their ASCII codes will be compared.

7. Write a program which takes a month number and prints the number of days in that month. For example:
    1. For month=1 print "31 days"
    2. For month=2 print "28 days"

8. Write a program to print the minimum number of Rupee notes needed to match a given amount. Available denominations of notes are 2000, 500, 100, 50.
    1. For example, if the amount is 28,550, then you need 14 notes of 2000, 1 note of 500, and 1 note of 50. So the total number of notes is 14+1+1 = 16.
HINT: 6500 / 2000 gives you the number (3) of 2000 notes.
HINT: 6500 % 2000 gives you the amount remaining (500) after giving 3 notes of 2000.

9. Write a program to check if a triangle can be formed using the given lengths of 3 sides. HINT: For example, if the sides are 10, 24, and 67, then you cannot make a triangle because 10+24 is not greater than or equal to 67.

10. Write a program to check whether the triangle is an equilateral, isosceles or scalene triangle. (Equilateral triangle has all 3 sides equal. An isosceles triangle has 2 sides equal. A scalene triangle has no side equal).