1.Write a program that reads a letter of the alphabet from the

user. If the user enters a, e, i, o or u then your program should display a message

indicating that the entered letter is a vowel. If the user enters y then your program

should display a message indicating that sometimes y is a vowel, and sometimes y is

a consonant. Otherwise your program should display a message indicating that the

letter is a consonant.

2. Write a program that determines the name of a shape from its number of sides. Read

the number of sides from the user and then report the appropriate name as part of

a meaningful message. Your program should support shapes with anywhere from 3

up to (and including) 10 sides. If a number of sides outside of this range is entered

then your program should display an appropriate error message.

3. The length of a month varies from 28 to 31 days. In this exercise you will create

a program that reads the name of a month from the user as a string. Then your

program should display the number of days in that month. Display “28 or 29 days”

for February so that leap years are addressed.

4. A triangle can be classified based on the lengths of its sides as equilateral, isosceles

or scalene. All 3 sides of an equilateral triangle have the same length. An isosceles

triangle has two sides that are the same length, and a third side that is a different

length. If all of the sides have different lengths then the triangle is scalene.

Write a program that reads the lengths of 3 sides of a triangle from the user.

Display a message indicating the type of the triangle.

5. The year is divided into three seasons: summer, rainy and winter. While the

exact dates that the seasons change vary a little bit from year to year because of the

way that the calendar is constructed, Write a program to display the season if date is given.