1. **Problem statement:**

To define a class called season which can let user to enter number or first three letters to represent a season (1 for Spring, 2 for Summer, and so forth). Then display the current season and the next season.

1. **Analysis:**

Inputs: an integer number or three letters

Outputs: a current season and next season

Additional requirements: must define a class called season to achieve the goals.

1. **Design:**

Class definition

1. Define an integer representing season
2. Define a default constructor and two normal constructors
3. Define two input functions (one gets the integer directly and another get the first three letters one by one)
4. Define an output function
5. Define a member function next that returns the next season as a value of type Season by adding one to the original integer.

Main function

1. declare three variables of type season
2. ask user to choose whether to input a number or three letters
3. store the input as season type S1 and display the season
4. S2 gets the value of next season and then display it

**4. Implementation**: see C++ code in file 1405347\_2-1.cpp with comments.

**5. Testing:**

The C++ program was tested by carrying out a set of experiments and the C ++program output was verified successfully. For example

