```
// Ch 6 DiceGame RandumNumber.cpp : Defines the entry point
// for the console application.
#include "stdafx.h"
#include <iostream>
#include <cstdlib>
#include <ctime>
using namespace std;
unsigned int rollDice(); //function prototype
int main() {
    // scoped enumerations with constants that represent the game status
    enum class Status{CONTINUE, WON, LOST};
    //randomize random number generator using current time(seed)
     srand(static_cast <unsigned int>(time(0)));
    unsigned int myPoint{ 0 }; // point if no win or loss on first roll
    Status gameStatus;
    unsigned int sumOfDice{ rollDice() }; // first roll of the dice
    // determain game status and point (if needed) based on the first roll
    switch (sumOfDice) {
    case 7: // win with 7 on first roll
    case 11: // win with 11 on first roll
         gameStatus = Status::WON;
         break;
             // crap out
    case 2:
    case 3:
    case 12:
         gameStatus = Status::LOST;
         break;
    default: // did not win or loose, so remember point
         gameStatus = Status::CONTINUE; // game is not over
         myPoint = sumOfDice; // remember the point
         cout << "Point is: " << myPoint << endl;</pre>
         break; // optional at end of switch
    }
    // while game is not complete
    while (Status::CONTINUE == gameStatus) { // not WON or LOST
         sumOfDice = rollDice(); // roll dice again
         if (sumOfDice == myPoint) { // win by making point
              gameStatus = Status::WON;
         }
         else {
              if (sumOfDice == 7) { // lose by rolling 7 before point
                   gameStatus = Status::LOST;
              }
         }
    if (Status::WON == gameStatus) {
         cout << "You Win! " << endl;</pre>
    }
    else {
         cout << "Sorry, You Loose" << endl;</pre>
    }
    system("pause");
    return 0;
}
// rolldice, calculate sum and display results
unsigned int rollDice() {
    int die1{ 1 + rand() % 6 };
    int die2{ 1 + rand() % 6 };
    int sum{ die1 + die2 };
    // display results of this roll
    cout << "Player rolled " << die1 << " + " << die2</pre>
         << " = " << sum << endl;
     return sum;
}
```