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using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace ConsoleInputDemo
{
    class Program
    {
        enum Action
        {
            Move,
            Shoot,
            Quit,
            Other
        }

        static void Main(string[] args)
        {
            string my_input;
            string room_input;
            int room = 0;
            bool input_error;
            Action my_action = Action.Other;

            while (my_action != Action.Quit)
            {
                System.Console.WriteLine("(M)ove or (S)hoot or (Q)uit: ");
                my_input = System.Console.ReadLine();

                my_action = Action.Other;
                if (string.Compare(my_input, 0, "M", 0, 1, true) == 0) my_action = Action.
Move;
                if (string.Compare(my_input, 0, "S", 0, 1, true) == 0) my_action = Action.
Shoot;
                if (string.Compare(my_input, 0, "Q", 0, 1, true) == 0) my_action = Action.
Quit;

                switch (my_action) {
                    case Action.Move:
                        System.Console.WriteLine("Moving...");
                        break;

                    case Action.Shoot:
                        System.Console.WriteLine("Shooting. Enter destination room.");
                        room_input = System.Console.ReadLine();

                        // If the string in room_input is not an optional sign, followed
by a sequence of digits // A System.FormatException will be thrown. We need to check for
this, by placing the // type conversion inside a try/catch block.
                        // input_error = false;
                        // {
                        //     room = Convert.ToInt32(room_input);
                        // }
                        // catch (System.FormatException)
                        // {
                        //     System.Console.WriteLine("Invalid number - please enter an
integer.");
                        //     input_error = true;
                        // }
                        // if (!input_error)
                        // {
                        //     System.Console.WriteLine("Shooting arrow into room {0}",
room);

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        //}
        if (int.TryParse(room_input, out room) == true)
        {
            System.Console.WriteLine("Shooting arrow into room {0}", room)
        }
        else
        {
            System.Console.WriteLine("Invalid number - please enter an
integer.");
        }
        break;

    case Action.Other:
        System.Console.WriteLine("Huh? Try again.");
        break;

    case Action.Quit:
        System.Console.WriteLine("Quit. Bye bye");
        break;
    }
}
}
}
```