```csharp
 1  /*      Grading ID: B8890
 2   *      Project: 2
 3   *      Due Date: November 16, 2016
 4   *      Course: CIS 199
 5   *      Course Section: 75
 6   *      Program:
 7   *       This program will show the user what time they can schedule based on     ⮡
     their credits
 8   *            and their last name.
 9   *
10  */
11  using System;
12  using System.Collections.Generic;
13  using System.ComponentModel;
14  using System.Data;
15  using System.Drawing;
16  using System.Linq;
17  using System.Text;
18  using System.Threading.Tasks;
19  using System.Windows.Forms;
20
21  namespace Program2
22  {
23      public partial class Form1 : Form
24      {
25          public Form1()
26          {
27              InitializeComponent();
28          }
29
30          private void processBtn_Click(object sender, EventArgs e)
31          {
32              const double freshmanHours = 0; //freshman hours
33              const double sophomoreHours = 30; //sophomores hours
34              const double juniorHours = 60; //junior hours
35              const double seniorHours = 90; //senior hours
36            char lastnameLetter; //to hold the character for logic
37              double creditHours; //to hold credit hours to compare hours
38              string time = ""; //time to register
39              string date = ""; //date to register
40              const string TIME1 = "8:30"; //CONST for  one TIME1
41              const string TIME2 = "10:00"; //CONST for two TIME2
42              const string TIME3 = "11:30"; //CONST for third TIME
43              const string TIME4 = "2:00";  // CONST for fourth TIME
44              const string TIME5 = "4:00";  // CONST for fifth TIME
45              //Fill variables and pull in text
46              if (double.TryParse(creditsTxt.Text, out creditHours))
47              {
48                      lastnameLetter = lastnameTxt.Text[0];
49                      lastnameLetter = char.ToUpper(lastnameLetter);
50                      //Variables are good
51                      //Start logic
```

```csharp
52                            if (creditHours >= juniorHours)
53                            {
54                                date = "11/07/16";
55                                if (lastnameLetter <= 'D')
56                                {
57                                    time = TIME4;
58                                }
59                                else if (lastnameLetter <= 'I')
60                                {
61                                    time = TIME5;
62                                }
63                                else if (lastnameLetter <= 'O')
64                                {
65                                    time = TIME1;
66                                }
67                                else if (lastnameLetter <= 'S')
68                                {
69                                    time = TIME2;
70                                }
71                                else if (lastnameLetter <= 'Z')
72                                {
73                                    time = TIME3;
74                                }
75                                //assign date if senior
76                                if (creditHours >= seniorHours)
77                                {
78                                    date = "11/04/16";
79                                }
80                            }
81                            else //is sophomore or freshman
82                            {
83
84                                if (lastnameLetter <= 'B')
85                                {
86                                    time = TIME2;
87                                }
88                                else if (lastnameLetter <= 'D')
89                                {
90                                    time = TIME3;
91                                }
92                                else if (lastnameLetter <= 'F')
93                                {
94                                    time = TIME4;
95                                }
96                                else if (lastnameLetter <= 'I')
97                                {
98                                    time = TIME5;
99                                }
100                               else if (lastnameLetter <= 'L')
101                               {
102                                   time = TIME1;
103                               }
```

```
104                              else if (lastnameLetter <= 'O')
105                              {
106                                  time = TIME2;
107                              }
108                              else if (lastnameLetter <= 'Q')
109                              {
110                                  time = TIME3;
111                              }
112                              else if (lastnameLetter <= 'S')
113                              {
114                                  time = TIME4;
115                              }
116                              else if (lastnameLetter <= 'V')
117                              {
118                                  time = TIME5;
119                              }
120                              else if (lastnameLetter <= 'Z')
121                              {
122                                  time = TIME2;
123                              }
124                              //if sophomore then get date by name
125                              if (creditHours >= sophomoreHours)
126                          {
127                              if (lastnameLetter >= 'J' && lastnameLetter <= 'V')
128                              {
129                                  date = "11/09/16";
130                              } else
131                              {
132                                  date = "11/10/16";
133                              }
134                          } else //is freshman
135                          {
136                              if (lastnameLetter >= 'J' && lastnameLetter <= 'V')
137                              {
138                                  date = "11/11/16";
139                              } else
140                              {
141                                  date = "11/14/16";
142                              }
143                          }
144                          }

146                          //Output time
147                          MessageBox.Show("Your scheduling day is: " + date + "\nYour
                              scheduling time is: " + time,"Your scheduling information");

149                  } else //could not parse hours
150                  {
151                      MessageBox.Show("Enter a number.");
152                  }
153          }
154      }
```

155 }
156