```
 1  using System;
 2  using System.Collections.Generic;
 3  using System.Linq;
 4  using System.Text;
 5
 6  namespace Week4_Class1
 7  {
 8      class ValidationLibrary
 9      {
10
11          public static bool GotBadWords(string temp)
12          {
13              bool result = false;
14
15              string[] strBadWords = {"POOP", "HOMEWORK", "CACA" };
16
17              foreach (string strBW in strBadWords)
18              if (temp.Contains(strBW))
19              {
20                  result = true;
21              }
22
23              return result;
24          }
25
26
27
28
29          //                                                                  ↵
              ********************************************************************* ↵
              **********************
30          // Library of validation functions we can use in future projects
31          //                                                                  ↵
              ********************************************************************* ↵
              **********************
32
33          //Receives a string and we can let user know if it is filled in
34          public static bool IsItFilledIn(string temp)
35          {
36              bool result = false;
37
38              if (temp.Length > 0)
39              {
40                  result = true;
41              }
42
43              return result;
44          }
45
46
47
48          //Receives a string and we can let user know if it is filled in
```

```
49          public static bool IsItFilledIn(string temp, int minlen)
50          {
51              bool result = false;
52
53              if (temp.Length >= minlen)
54              {
55                  result = true;
56              }
57
58              return result;
59          }
60
61
62
63          public static bool IsAFutureDate(DateTime temp)
64          {
65              bool blnResult;
66
67              if (temp <= DateTime.Now)
68              {
69                  blnResult = false;
70              }
71              else
72              {
73                  blnResult = true;
74              }
75
76              return blnResult;
77          }
78
79
80
81          //Receives a string and we can let user know if it has a semi-valid email ↵
               format
82          public static bool IsValidEmail(string temp)
83          {
84              //assume true, but look for bad stuff to make it false
85              bool blnResult = true;
86
87              //Look for position of "@"
88              int atLocation = temp.IndexOf("@");
89              int NextatLocation = temp.IndexOf("@", atLocation+1);
90
91              //temp = scott@neit.ca
92              // length = 13
93              // position of last period = 10
94
95              //Look for position of last period "."
96              int periodLocation = temp.LastIndexOf(".");
97
98              //check for minimum length
99              if (temp.Length < 8)
```

```
100             {
101                 blnResult = false;
102             }
103             else if (atLocation < 2)    //if it is -1, not found and needs at
                  least 2 chars in front
104             {
105                 blnResult = false;
106             }
107             else if (periodLocation + 2 > (temp.Length))
108             {
109                 blnResult = false;
110             }
111
112             return blnResult;
113         }
114
115
116
117
118         public static bool IsMinimumAmount(int temp, int min)
119         {
120             bool blnResult;
121
122             if (temp >= min)
123             {
124                 blnResult = true;
125             }
126             else
127             {
128                 blnResult = false;
129             }
130
131             return blnResult;
132         }
133
134
135
136
137         public static bool IsMinimumAmount(double temp, double min)
138         {
139             bool blnResult;
140
141             if (temp >= min)
142             {
143                 blnResult = true;
144             }
145             else
146             {
147                 blnResult = false;
148             }
149
150             return blnResult;
```

```
151             }
152
153
154
155
156         }
157     }
158
```