```
1   Microsoft Windows [Version 6.3.9600]
2   (c) 2013 Microsoft Corporation. All rights reserved.
3
4   F:\>FinalProject.exe DEBUG
5   Tests executing...
6
7
8
9   ---------------
10  | question.h |
11  ---------------
12  test_function_generateQuestion
13  -------------------------------
14  Level 1:
15  Question 1 Generated.
16  Question 2 Generated.
17  Question 3 Generated.
18  Question 4 Generated.
19  Question 5 Generated.
20  Question 6 Generated.
21  Question 7 Generated.
22  Question 8 Generated.
23  Question 9 Generated.
24  Question 10 Generated.
25  Level 2:
26  Question 1 Generated.
27  Question 2 Generated.
28  Question 3 Generated.
29  Question 4 Generated.
30  Question 5 Generated.
31  Question 6 Generated.
32  Question 7 Generated.
33  Question 8 Generated.
34  Question 9 Generated.
35  Question 10 Generated.
36  Level 3:
37  Question 1 Generated.
38  Question 2 Generated.
39  Question 3 Generated.
40  Question 4 Generated.
41  Question 5 Generated.
42  Question 6 Generated.
43  Question 7 Generated.
44  Question 8 Generated.
45  Question 9 Generated.
46  Question 10 Generated.
47
48
49  test_function_getAnswer
50  -----------------------
51  Level 1:5 + 1 = 6 --- Matches!
52  Level 2:12 + 8 = 20 --- Matches!
53  Level 3:491 + 127 = 618 --- Matches!
```

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54    Level 1:6 - 3 = 3 --- Matches!
55    Level 2:33 - 18 = 15 --- Matches!
56    Level 3:799 - 83 = 716 --- Matches!
57    Level 1:8 * 6 = 48 --- Matches!
58    Level 2:86 * 79 = 6794 --- Matches!
59    Level 3:656 * 614 = 402784 --- Matches!
60    Level 1:36 / 4 = 9 (Remainder 0) --- Matches!
61    Level 2:704 / 8 = 88 (Remainder 0) --- Matches!
62    Level 3:1035 / 23 = 45 (Remainder 0) --- Matches!
63    Level 1:5 + 2 = 7 --- Matches!
64    Level 2:59 * 17 = 1003 --- Matches!
65    Level 3:581 / 7 = 83 (Remainder 0) --- Matches!
66
67
68
69    ---------------
70    | progress.h |
71    ---------------
72    Getting values for an inactive module...
73    Is the module active? 0
74    Student Name:
75    Number true: 0
76    Number false: 0
77
78    --------------------------------------------------------------------------------
79    Setting values and activating module...
80
81    --------------------------------------------------------------------------------
82    Getting values for an active module...
83    Is the module active? 1
84    Student Name: Matthew Bowker
85    Number true: 2
86    Number false: 3
87
88
89
90    ---------
91    | ui.h |
92    ---------
93    Header generation
94    -----------------
95    Welcome to the Computer Aided Instruction System
96    This software licensed to: University of Colorado Colorado Springs
97
98
99
100   --------------------------------------------------------------------------------
101   Main menu generation
102   -------------------
103   Please enter your menu choice:
104        1 - Answer questions
105        2 - View Student scores
106        0 - exit
```

```
107
108   --------------------------------------------------------------------------------
109   Ask student name
110   ----------------
111   Please enter your first name: Matthew
112   Please enter your last name: Bowker
113   The student name entered was: Matthew Bowker
114
115   --------------------------------------------------------------------------------
116   Asking the level of the questions
117   ---------------------------------
118   Please enter which level you would like to try (1-3)
119   Enter your answer: 2
120
121   --------------------------------------------------------------------------------
122   Asking the operation
123   --------------------
124   Please enter the operation you would like to do:
125         1 - Addition
126         2 - Subtraction
127         3 - Multiplication
128         4 - Division
129         5 - A mixture of all four
130   Enter your answer: 6
131   An error has occured in the program.
132   The error condition reported: That is an invalid menu choice.
133   You can try that action again, but you may get the same result :(
134
135   Enter your answer: 4
136
137   --------------------------------------------------------------------------------
138   Asking a question the first time
139   --------------------------------
140   10 - 5 =
141
142   --------------------------------------------------------------------------------
143   Asking a question the second time
144   ---------------------------------
145   (Second attempt) 10 - 5 =
146
147   --------------------------------------------------------------------------------
148   Getting an answer
149   -----------------
150   Enter your answer: 5
151   The answer entered was: 5
152
153   --------------------------------------------------------------------------------
154   Outputting student scores
155   -------------------------
156   Displaying scores for: Charlie Test
157   Number correct: 3
158   Number wrong: 2
159
```

```
160
161    ------------------------------------------------------------------------------
162    Student answered question right
163    ------------------------------
164    Very good!
165
166    ------------------------------------------------------------------------------
167    Student answered question wrong
168    ------------------------------
169    Wrong. Try once more.
170
171    ------------------------------------------------------------------------------
172    Student's choice is invalid
173    ---------------------------
174    An error has occured in the program.
175    The error condition reported: That menu choice is not valid
176    You can try that action again, but you may get the same result :(
177
178
179    ------------------------------------------------------------------------------
180    Final Test Status (Question class): Succeeded!
181    Final Test Status (Progress class): Succeeded!
182    Final Test Status (UI class): Succeeded!
183    Press any key to continue . . .
```