Tick the correct output. Some questions have been marked as Multiple choice, the rest have one correct answer.

1. \( i = 1; \)
   \[
   \text{while } (i < 10) \\
   \quad i = i + 1 \\
   \text{end}
   \]
   A. Numbers from 2 to 10  
   B. Numbers from 1 to 10  
   C. No output  
   D. Numbers from 1 to 11

2. Complete the for loop such that ‘hello’ gets printed 10 times (Multiple choice)
   \[
   \text{for } \_\_\_\_\_\_\_\_ \text{disp(‘hello’);}
   \text{end}
   \]
   A. \( i=1:5 \)  
   B. \( i=2:11 \)  
   C. \( i=1:10 \)  
   D. \( i<10 \)

3. \( A = [1, 2, 3, 4, 5]; \)
   \[
   \text{for } i = 1 : \text{length}(A) \\
   \quad \text{for } j = 0 : 1 \\
   \quad \quad \text{fprintf(‘%d,’}, A(i)^2); \\
   \quad \text{end}
   \text{end}
   \]
   A. 1,2,3,4,5  
   B. 1,1,4,4,9,9,16,16,25,25  
   C. error  
   D. 1,4,9,16,25

4. function \( f = \text{squareTest}(N) \)
   \[
   s = N * N;
   \]
   \[
   \text{end}
   \text{squareTest(2)}
   \]
   A. Nothing will be printed  
   B. 2  
   C. 4  
   D. 4.00

5. function \([x1, x2] = \text{solveQuadratic}(a, b, c)\)
   \[
   \%ax^2 + bx + c = 0 \\
   D = b * b - 4 * a * c; \\
   x1 = (-b + \text{sqrt}(D)) / 2 / a; \\
   x2 = (-b - \text{sqrt}(D)) / 2 / a;
   \]
   \[
   \text{end}
   \]
QUIZ 2

[p, q] = solveQuadratic(1, 2, 1);

How many input and output arguments are there respectively?

<p>| | |</p>
<table>
<thead>
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<tbody>
<tr>
<td>A</td>
<td>2 and 3</td>
</tr>
<tr>
<td>B</td>
<td>2 and 2</td>
</tr>
<tr>
<td>C</td>
<td>3 and 2</td>
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<tr>
<td>D</td>
<td>3 and 0</td>
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6. A = 1; B = 0;
~((A & B) | (A | B))

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<tr>
<td>A</td>
<td>0</td>
</tr>
<tr>
<td>B</td>
<td>error</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>None</td>
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7. A = 2;
   A = square(A);
   A = sqrt(A);
   disp(A);

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<tr>
<td>A</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>4</td>
</tr>
<tr>
<td>C</td>
<td>1.4142</td>
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<tr>
<td>D</td>
<td>None</td>
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8. A = 10; B = 9;
   disp(A == B)
   disp(B = A)

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<tbody>
<tr>
<td>A</td>
<td>0</td>
</tr>
<tr>
<td>B</td>
<td>True True</td>
</tr>
<tr>
<td>C</td>
<td>0</td>
</tr>
<tr>
<td>D</td>
<td>10</td>
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9. Tick the code that would produce this output
   1+2=3

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<tbody>
<tr>
<td>A</td>
<td>1 + 2</td>
</tr>
<tr>
<td>B</td>
<td>fprintf(’1+2=’d’, 1+2)</td>
</tr>
<tr>
<td>C</td>
<td>1+2;</td>
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<tr>
<td>D</td>
<td>fprintf(’1+2′)</td>
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10. Tick the code that would produce this output (Multiple Choice)
    1 2 3 4

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| A | for i = 1:4
   fprintf(‘%d ’, i);
   end |
| B | for i = 4:7
   fprintf(‘%d ‘, i-3);
   end |
| C | i = 1;
   while i <= 4
   fprintf(‘%d ‘, i);
   i = i + 1;
   end |
| D | while i < 4
   fprintf(‘%d ‘, i);
   end |