assignment_2_question2.cpp

```cpp
1  /*
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3  */
4
5  #include <iostream>
6  using namespace std;
7
8  int main()
9  {
10     cout << "enter the first digit of your guess, the number must be either 0,1,2 or 3:
   " << endl;
11     int guess_digit_tens = 0;
12     int guess_digit_ones = 0;
13     cin >> guess_digit_tens;
14     cout << "enter the second digit of your guess, the number must be either 0,1,2 or 3:
   " << endl;
15     cin >> guess_digit_ones;
16     //
17     int secert_code_tens = 0;
18     int secert_code_ones = 2;
19     int correct_place = 0;
20     int wrong_place = 0;
21     //
22     if (guess_digit_ones == secert_code_ones && guess_digit_tens == secert_code_tens)
23     {
24         cout << "correct guess" << endl;
25     }
26     else if (guess_digit_ones == secert_code_tens && guess_digit_tens ==
   secert_code_ones)
27     {
28         wrong_place++;
29         wrong_place++;
30     }
31     else if (guess_digit_ones == secert_code_ones)
32     {
33         correct_place++;
34     }
35     else if (guess_digit_ones == secert_code_tens)
36     {
37         wrong_place++;
38     }
39     else if (guess_digit_tens == secert_code_ones)
40     {
41         wrong_place++;
42     }
43     else if (guess_digit_tens == secert_code_tens)
44     {
45         correct_place++;
```

```cpp
46        }
47        else
48            cout << "none correct try again" << endl;
49        if (correct_place > 0 || wrong_place > 0)
50        {
51            cout << correct_place << " digits correct in the correct place" << endl;
52            cout << wrong_place << " digits correct in the wrong place" << endl;
53        }
54 }
55
56 /*
57 OUTPUT
58 enter the first digit of your guess, the number must be either 0,1,2 or 3:
59 1
60 enter the second digit of your guess, the number must be either 0,1,2 or 3:
61 3
62 none correct try again
63
64
65 enter the first digit of your guess, the number must be either 0,1,2 or 3:
66 2
67 enter the second digit of your guess, the number must be either 0,1,2 or 3:
68 1
69 0 digits correct in the correct place
70 1 digits correct in the wrong place
71
72
73 enter the first digit of your guess, the number must be either 0,1,2 or 3:
74 1
75 enter the second digit of your guess, the number must be either 0,1,2 or 3:
76 2
77 1 digits correct in the correct place
78 0 digits correct in the wrong place
79
80
81 enter the first digit of your guess, the number must be either 0,1,2 or 3:
82 2
83 enter the second digit of your guess, the number must be either 0,1,2 or 3:
84 0
85 0 digits correct in the correct place
86 2 digits correct in the wrong place
87
88
89 enter the first digit of your guess, the number must be either 0,1,2 or 3:
90 0
91 enter the second digit of your guess, the number must be either 0,1,2 or 3:
92 2
93 correct guess
94 */
```