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H34086115_hw6-1.cpp H34086115_hw6-2.cpp H34086115_hw6-3.cpp
1 //=====
2 // Name      : H34086115_hw6-3.cpp
3 // Author    :
4 // Version   :
5 // Copyright : Your copyright notice
6 // Description : Hello World in C++, Ansi-style
7 //=====
8
9 #include <iostream>
10 #include <cstdlib> //srand and random
11 #include <ctime>
12 using namespace std;
13
14 int main() {
15     srand (time(0));
16     int guess;
17     int num = 1 + rand()%1000;
18     char selection;
19     for (;;) {
20         cout << "I have a number between 1 and 1000." << endl;
21         cout << "Can you guess my number?" << endl;
22         cout << "Please type your first guess." << endl;
23         cin >> guess;
24         if (guess == num) {
25             cout << "Excellent! You guessed the number!" << endl;
26             cout << "Would you like to play again(Y or N)?" << endl;
27             cin >> selection;
28             if (selection == 'Y') {
29                 continue;
30             }
31             else {
32                 return 0;
33             }
34         }
35         else if (guess < num) {
36             cout << "Too low. Try again." << endl;
37         }
38         else if (guess > num) {
39             cout << "Too high. Try again." << endl;
40         }
41         return 0;
42     }
43 }
44
```

H34086115_hw6-3.exe [C/C++ Application] C:\Users\USE
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
800
Too low. Try again.
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
850
Too low. Try again.
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
875
Too high. Try again.
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
870
Too high. Try again.
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
865
Too high. Try again.
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
860
Too high. Try again.
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
855
Too high. Try again.
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
853
Too high. Try again.
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
852
Too high. Try again.
I have a number between 1 and 1000.
Can you guess my number?
Please type your first guess.
851
Excellent! You guessed the number!
Would you like to play again(Y or N)?