ARMSTRONG NUMBER

CODE:

#include <iostream>

using namespace std;

int main() {

int num, originalNum, remainder, result = 0;

cout << "Enter a three-digit integer: ";

cin >> num;

originalNum = num;

while (originalNum != 0) {

// remainder contains the last digit

remainder = originalNum % 10;

result += remainder \* remainder \* remainder;

// removing last digit from the orignal number

originalNum /= 10;

}

if (result == num)

cout << num << " is an Armstrong number.";

else

cout << num << " is not an Armstrong number.";

return 0;

}

OUTPUT:

Enter a three-digit integer: 153

153 is an Armstrong number.

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Process exited after 3.189 seconds with return value 0

Press any key to continue . . .