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//This programme calculates the sum of 10 randomly generated number
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#include <iostream>
#include <stdlib.h> // This header defines general purpose functions such as random numbers
generation, memory managment, communications, etc.
#include <time.h> // This header defines functions to get and manipulate date and time information
using namespace std;

void main() {

    double sum{ 0 };

    double rnd;

    srand(time(NULL)); // Initialise the random seed of the random generator

    for (unsigned int i{ 0 }; i < 10; i++)
    // This entire block is executed for every iteration of the for loop
    {
        rnd = rand() % 6; // Generates a random number from 0 to 5
        sum += rnd;
    }
    cout << sum << endl;

    system("pause");

}
```