***1.number guessing game:***

#include <iostream>

#include <cstdlib>

#include <ctime>

using namespace std;

int main()

{

int num, guess, tries = 0;

srand(time(0));

num = rand() % 100 + 1;

cout << "This is a number guessing game \n\n";

do

{

cout << "Enter a guess between 1 and 100 : ";

cin >> guess;

tries++;

if(guess > num)

cout << "u have guessed a high number ,retry once again!\n\n";

else if (guess < num)

cout << "u have guessed a low number ,retry once again!\n\n";

else

cout << "\ncongratulations!,u reached it in \n";

} while (guess!=num);

return 0;

}

output:

This is a number guessing game

Enter a guess between 1 and 100 : 1

u have guessed a low number ,retry once again!

Enter a guess between 1 and 100 : 34

u have guessed a low number ,retry once again!

Enter a guess between 1 and 100 : 56

u have guessed a low number ,retry once again!

Enter a guess between 1 and 100 : 78

u have guessed a low number ,retry once again!

Enter a guess between 1 and 100 : 89

u have guessed a high number ,retry once again!