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/*This programme implements a basic event loop*/
#include<iostream>
#include<string>
using namespace std;

void main() {

    int ind = 1; // The control parameter
    int msg_ind = 4;

    string user_message;
    string messages[3]{ "user","date","exit" }; // This array includes all the "commands" in
    our programme

    while (ind) {

        msg_ind = 5; // Re-initialise the message index

        cout << "Type a command: " << "\n";
        cin >> user_message;

        //Identifying which message was input by the user:
        for (unsigned int i = 0; i < 3; i++)
        {
            if (user_message == messages[i]) msg_ind = i;
        };

        switch (msg_ind) {

            case 0:
            {   cout << "Mohammad Hasan" << "\n"; }
            break;

            case 1:
            {   cout << "19th of October" << "\n"; }
            break;

            case 2:
            {   ind = 0; }
            break;

            default:
            {   cout << "Unknown command" << "\n"; }
            break;

        };

    };

};

};
```