

Procedure:

Code :

```
1 #include <iostream>
2 #include <string>
3 #include <sstream> #include <algorithm> using namespace std;
4 unsigned int
5 SHF (string input)
6 {
7
8     unsigned int Init = 124564352;
9     unsigned int Magic = 5674356;
10    unsigned int Hash;
11
12    for (int i = 0; i < input.length (); i++)
13    {
14
15
16        Hash = Hash ^ (input[i]);
17
18        Hash = Hash * Magic;
19
20    }
21    return Hash;
22 }
23
24
25
26 string ToHex (unsigned int input)
27 {
28     string HexHash;
29     stringstream hexstream;
30     hexstream << hex << input;
31     HexHash = hexstream.str ();
32
33     std::transform (HexHash.begin (), HexHash.end (),
34                     HexHash.begin (), ::toupper);
35     return HexHash;
36
37 }
38
39 int
40 main ()
41 {
42     cout << "text hashed is " << ToHex (SHF ("text"));
43     getchar ();
44
45 }
```

Output:



A screenshot of a terminal window with a black background and white text. The text displayed is "text hashed is 1FDD7BD0". The terminal has a standard window title bar at the top with icons for minimizing, maximizing, and closing the window.