

Práctica 3 _ Cifrado Playfair

Nombre de los integrantes:

-Alvarez Lopez Carlos Manuel
-Hernández Gallardo Daniel Alonso
-Jiménez Ortiz Sebastián
-López Flores Isaac
-López Tavera Alexa Fernanda
-Nava Santiago Erick

Liga del GitHub

<https://github.com/Saiko-E/Cripto/blob/68cf87c02b4ffcca581e9372aa204a80e7b336dd/laboratorios/03/playfair.cpp>

Captura de la ejecución del Algoritmo

The screenshot shows the Microsoft Visual Studio Code interface with the following details:

- Editor Area:** Displays the code for `playfair.cpp`. The code implements a Playfair cipher function and tests it with the string "Hello World".

```
playfair.cpp
C: > Users > alexa > playfair.cpp > main()
10  CipherFunc createPlayfairCipher(const string& key) {
33      return [matrix](string text, bool cipher) -> string {
96
97  }
98
99
100 int main() {
101     // Test
102     auto playfair = createPlayfairCipher("silla");
103
104     string original = "Hello World";
105     string cifrado = playfair(original, true);
106     string descifrado = playfair(cifrado, false);
107
108     cout << "Original: " << original << endl;
109     cout << "Cifrado: " << cifrado << endl;
110     cout << "Descifrado: " << descifrado << endl;
111
112     return 0;
113 }
```
- Terminal:** Shows the output of the program execution.

```
PS C:\Users\alexa> & 'c:\Users\alexa\vscode\extensions\ms-vscode.cpptools-1.31.0-win32-x64\debugAdapters\bin\WindowsDebugLauncher.exe' '--stdin=Microsoft-MIEngine-In-hlg4wtj.lis' '--stdout=Microsoft-MIEngine-Out-3hsncyep.uld' '--stderr=Microsoft-MIEngine-Error-hd5ydb4h.jcr' '--pid=Microsoft-MIEngine-Pid-j35ugh45.lqj' '--dbgExe=C:\mingw64\bin\gdb.exe' '--interpreter=mi'
Original: Hello World
Cifrado: McElkzmuie
Descifrado: HelloWorld
PS C:\Users\alexa>
```
- Bottom Status Bar:** Shows the file name `Microsoft Edge`, line number `Ln 104, Col 35`, spaces `Spaces: 4`, encoding `UTF-8`, and line endings `CRLF`.