

Práctica 3_Cifrado Playfair

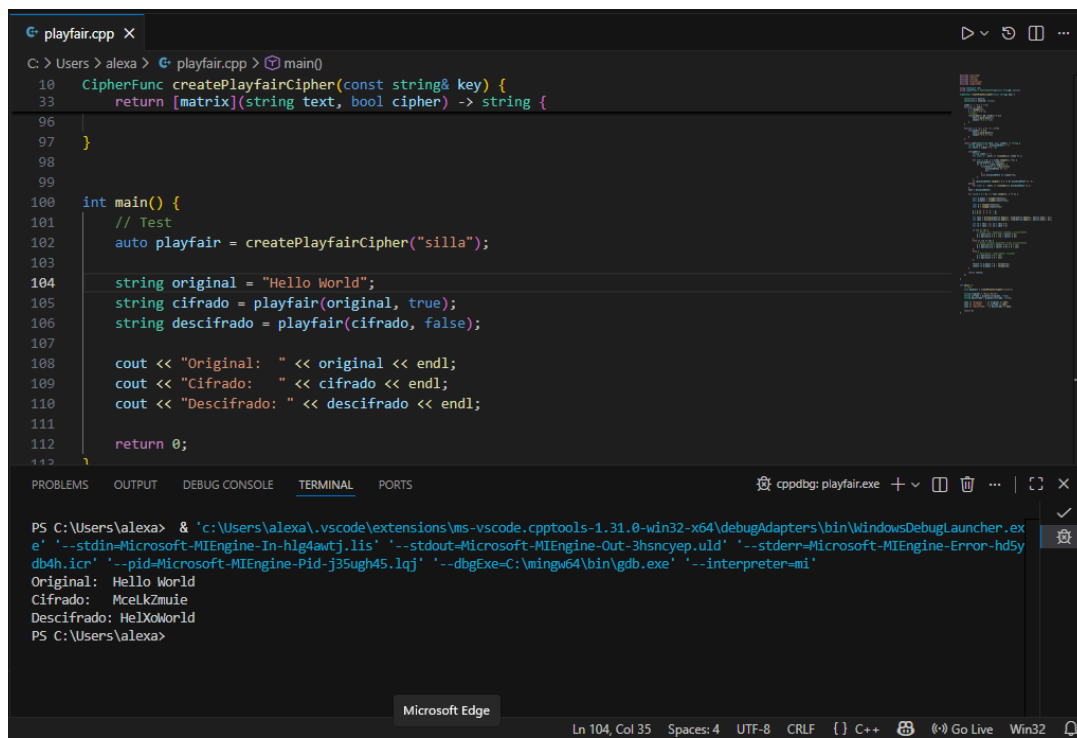
Nombre de los integrantes:

-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 displays a C++ IDE with a file named `playfair.cpp`. The code defines a `CipherFunc` `createPlayfairCipher` and a `main` function. The `main` function tests the cipher with the key "silla" and the text "Hello World". It prints the original text, the encrypted text, and the decrypted text. The output window shows the execution results: Original: Hello World, Cifrado: MceLkZmuie, and Descifrado: HelXoWorld.

```
playfair.cpp x
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 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
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-hlg4awtj.lis' '--stdout=Microsoft-MIEngine-Out-3hsncyep.uld' '--stderr=Microsoft-MIEngine-Error-hdsydb4h.icn' '--pid=Microsoft-MIEngine-Pid-j35ugh45.lqj' '--dbgExe=C:\mingw64\bin\gdb.exe' '--interpreter=mi'
Original: Hello World
Cifrado: MceLkZmuie
Descifrado: HelXoWorld
PS C:\Users\alexa>
```