

```
//  
// Created by Angel on 11/13/2024.  
//  
#include <iostream>  
using namespace std;  
  
int matrix[3][3];  
  
void storeMatrix() {  
    cout<<"Matriz"<<endl;  
    for( int ren = 1; ren <= 3; ren++) {  
        for(int col = 1; col <= 3; col++) {  
            cout << "Ingrese un numero: "<< ren << ", "<< col<< ": \n";  
            cin >> matrix[ren][col];  
        }  
    }  
}  
  
void printDiagonal() {  
    cout << "Diagonal de la matriz: ";  
    for(int i = 1; i <= 3; i++) {  
        cout << matrix[i][i] << " ";  
    }  
    cout << endl;  
}  
  
int main() {  
    storeMatrix();  
    printMatrix();  
    printDiagonal();  
    return 0;  
}
```

The screenshot shows a C++ IDE with the following components:

- Editor:** Displays `Matrices2.cpp` with the following code:

```
22     cout<<matrix[ren][col]<<"\t";
23 }
```
- Run Panel:** Shows the output of the program:

```
Ingrese un numero: 3, 1:
7
Ingrese un numero: 3, 2:
8
Ingrese un numero: 3, 3:
9

1   2   3
4   5   6
7   8   9
Diagonal de la matriz: 1 5 9

Process finished with exit code 0
```
- Bottom Bar:** Displays the file path `-C > College > Matrices > Matrices2.cpp`, file size `10:26 (794 chars, 40 line breaks)`, compiler `clang-tidy`, encoding `CRLF UTF-8`, and other settings like `FD FDP_con_C`, `Kanagawa Theme`, `4 spaces*`, and `C++ | Matrices | Debug`.