Before conducting the following instructions, users should Enable the Windows Subsystem for Linux

# **Navigating to a Windows Directory**

Suppose you want to access a folder located at C:\Users\YourName\Documents in Windows. In the Ubuntu terminal, you would navigate to this directory using the following command:

|  |
| --- |
| cd /mnt/c/Users/YourName/Documents |

Replace YourName with your actual Windows username.

# **Installation of GDAL**

|  |
| --- |
| sudo apt update  sudo apt install gdal-bin #install GDAL  sudo apt install libgdal-dev #Install Development Libraries |

# **Include the GDAL Directories in your compile command**

## **Get the include path**

|  |
| --- |
| gdal-config --cflags |

## **Get the library path**

|  |
| --- |
| gdal-config --libs |

# **Compile the C++ file**

|  |
| --- |
| g++ -fopenmp cppBE\_0414\_test.cpp $(gdal-config --cflags) $(gdal-config --libs) -o BE\_0414\_test |

The successful compilation is as follows:

|  |
| --- |
|  |

# **Test the compilation**

|  |
| --- |
| ./BE\_0414\_test test\_integer.tif 2 1 1 |

The computation results are seen:

A screen shot of a computer

Description automatically generated