File Organizer - Project Report

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Introduction

The File Organizer is a Python-based application designed to automatically organize files in a directory based on their extensions

CODE:

```python
import os

import shutil


path = input("Enter Location:" )


files = os.listdir(path)


for file in files:


    filename, extension = os.path.splitext(file)


    extension = extension[1:]
```
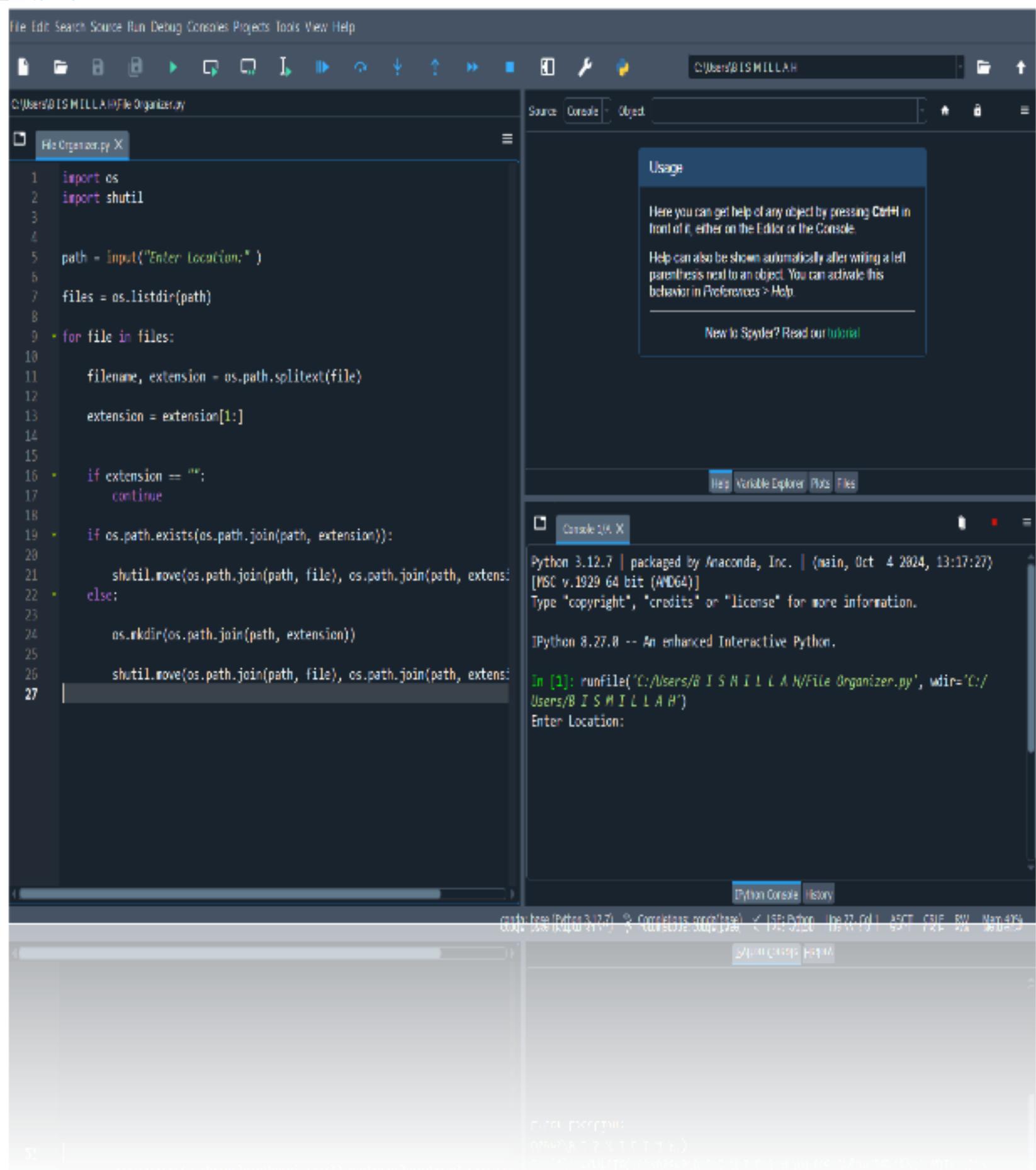
```python
    if extension == "":
        continue

    if os.path.exists(os.path.join(path, extension)):

        shutil.move(os.path.join(path, file), os.path.join(path, extension, fil
e))
    else:

        os.mkdir(os.path.join(path, extension))

        shutil.move(os.path.join(path, file), os.path.join(path, extension, fil
e))
```
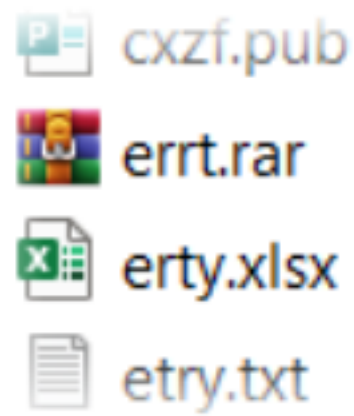
C:\Users\BISMILLAH\File Organizer.py

File Organizer.py X

```python
1   import os
2   import shutil
3
4
5   path = input("Enter Location:" )
6
7   files = os.listdir(path)
8
9   for file in files:
10
11      filename, extension = os.path.splitext(file)
12
13      extension = extension[1:]
14
15
16      if extension == "":
17          continue
18
19      if os.path.exists(os.path.join(path, extension)):
20
21          shutil.move(os.path.join(path, file), os.path.join(path, extens
22      else:
23
24          os.mkdir(os.path.join(path, extension))
25
26          shutil.move(os.path.join(path, file), os.path.join(path, extens
27
```

Source Console Object

Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.

Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in *Preferences > Help*.

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Help Variable Explorer Plots Files

Console 1/A X

```
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct  4 2024, 13:17:27)
[MSC v.1929 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 8.27.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/B I S M I L L A H/File Organizer.py', wdir='C:/
Users/B I S M I L L A H')
Enter Location:
```

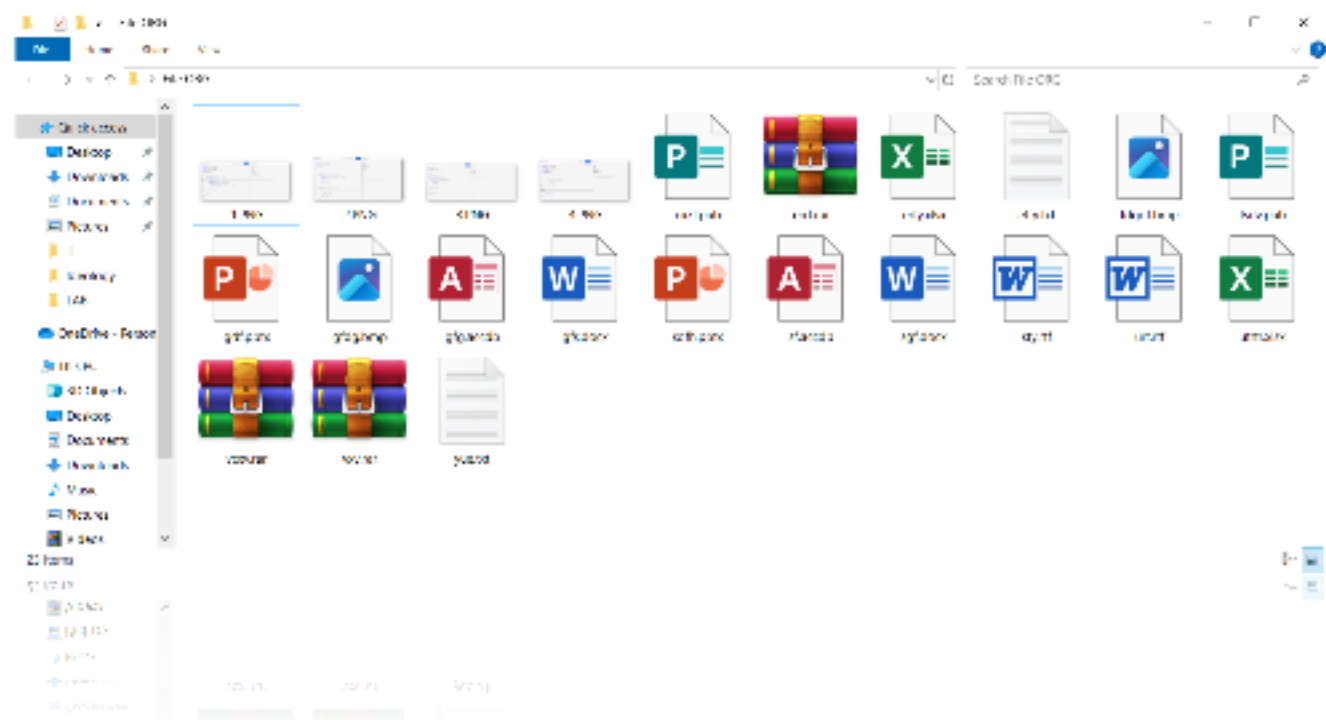IPython Console History

How It Works

- Specify the directory path to organize.

- Program scans path and files and identifies their types through their extension by listing them first.

- It will create the Folders for those files

cxzf.pub

errt.rar

erty.xlsx

etry.txt

OUTPUTs:

BEFORE:

AFTER: