

File Handling

Create a File:

```
# Create a new file and write content to it

with open("new_file.txt", "w") as file:

    file.write("Hello, this is a new file!\n")

    file.write("Welcome to the world of Python file handling.")
```

Open and Read a File:

```
# Open and read the content of an existing file

with open("existing_file.txt", "r") as file:

    content = file.read()

    print("File Content:")

    print(content)
```

Assignment:

Write a function that takes a filename as input and prints its content.

Solution :-

```
def print_file_content(filename):

    try:

        with open(filename, "r") as file:

            content = file.read()

            print("File Content:")

            print(content)

    except FileNotFoundError:

        print(f"Error: File '{filename}' not found.")

# Example usage

print_file_content("existing_file.txt")
```

Append to a File:

```
# Append content to an existing file  
with open("existing_file.txt", "a") as file:  
    file.write("\nAppending more content to the file.")
```

Assignment:

Create a function that appends a line to a specified file.

Solution:-

```
def append_to_file(filename, line):  
    try:  
        with open(filename, "a") as file:  
            file.write("\n" + line)  
            print(f"Line appended to '{filename}' successfully.")  
    except FileNotFoundError:  
        print(f"Error: File '{filename}' not found.")
```

Example usage

```
append_to_file("existing_file.txt", "This line was appended.")
```

Write to a File:

```
# Write new content to an existing file (overwriting the existing content)  
with open("existing_file.txt", "w") as file:  
    file.write("This will overwrite the existing content.")
```

Assignment:

Write a function that takes a filename and new content as input and overwrites the existing content of the file.

Solution -

```
def overwrite_file_content(filename, new_content):
```

try:

 with open(filename, "w") as file:

 file.write(new_content)

 print(f"Content overwritten in '{filename}' successfully.")

except FileNotFoundError:

 print(f"Error: File '{filename}' not found.")

Example usage

overwrite_file_content("existing_file.txt", "This content was overwritten.")