

ASCII Art Generator

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Overview

This project implements an ASCII Art generator with three styles: Simple Banner, Box Style, and PyFiglet (optional). The user selects an option and inputs the text to convert it into ASCII art.

Features

- Simple banner with asterisk borders
- Box style with plus and minus borders
- Integration with PyFiglet library for fancy ASCII fonts (if installed)

Technologies and Tools Used

- Python 3
- PyFiglet Python library (optional)

Installation and Usage

1. Ensure Python 3 is installed.
2. (Optional) Install PyFiglet using `pip install pyfiglet`.
3. Run the script and select an option, then input your text.

Code Snippet

```

def simple_banner(text):
    border = "*" * (len(text) + 4)
    return f"{border}\n* {text} *\n{border}"

def box_style(text):
    line = "+" + "-" * (len(text) + 2) + "+"
    return f"{line}\n| {text} |\n{line}"

def main():
    print("=== ASCII Art Generator ===")
    print("1. Simple Banner")
    print("2. Box Style")
    print("3. PyFiglet (if installed)")

    choice = input("Choose option (1-3): ")
    text = input("Enter text: ")

    if choice == '1':
        print(simple_banner(text))
    elif choice == '2':
        print(box_style(text))
    elif choice == '3':
        try:
            import pyfiglet
            result = pyfiglet.figlet_format(text)
            print(result)
        except ImportError:
            print("PyFiglet not installed. Run: pip install pyfiglet")
    else:
        print("Invalid choice")

```

Testing Instructions

Run the script, enter valid options (1-3) and test with various text inputs including empty or special characters.