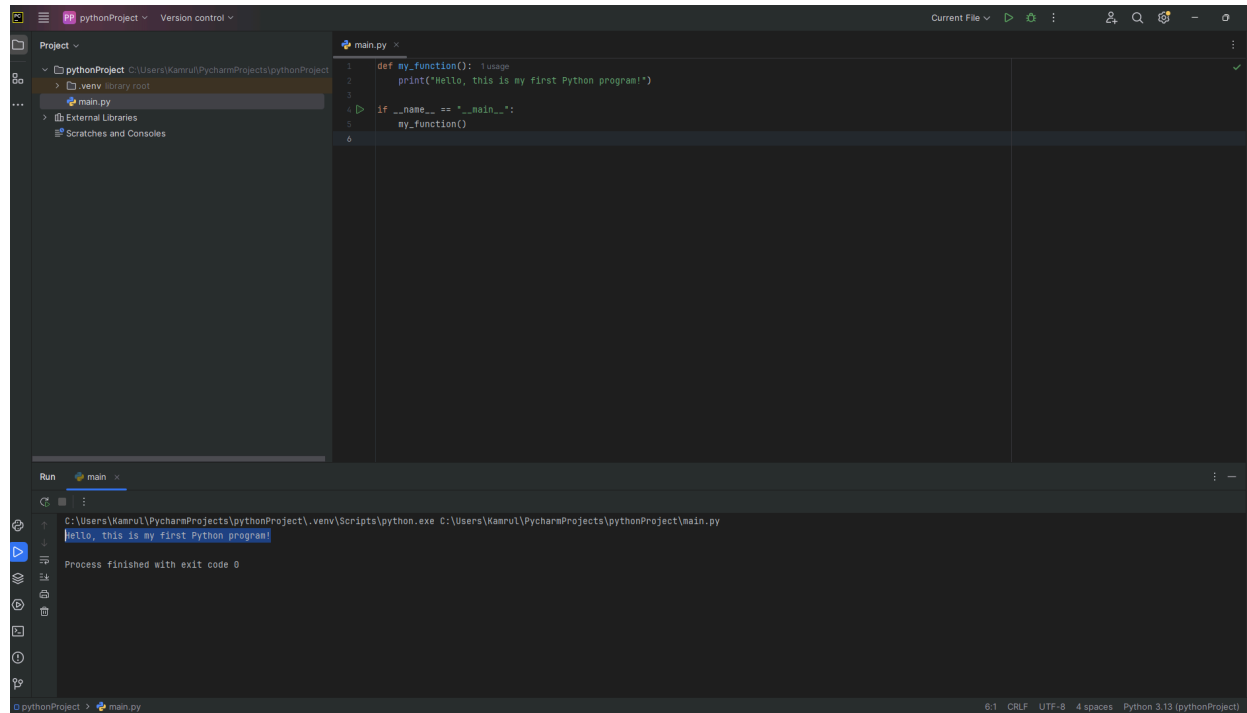


## Task 1: My First Python Program

This basic Python program consists of a method and a main method.

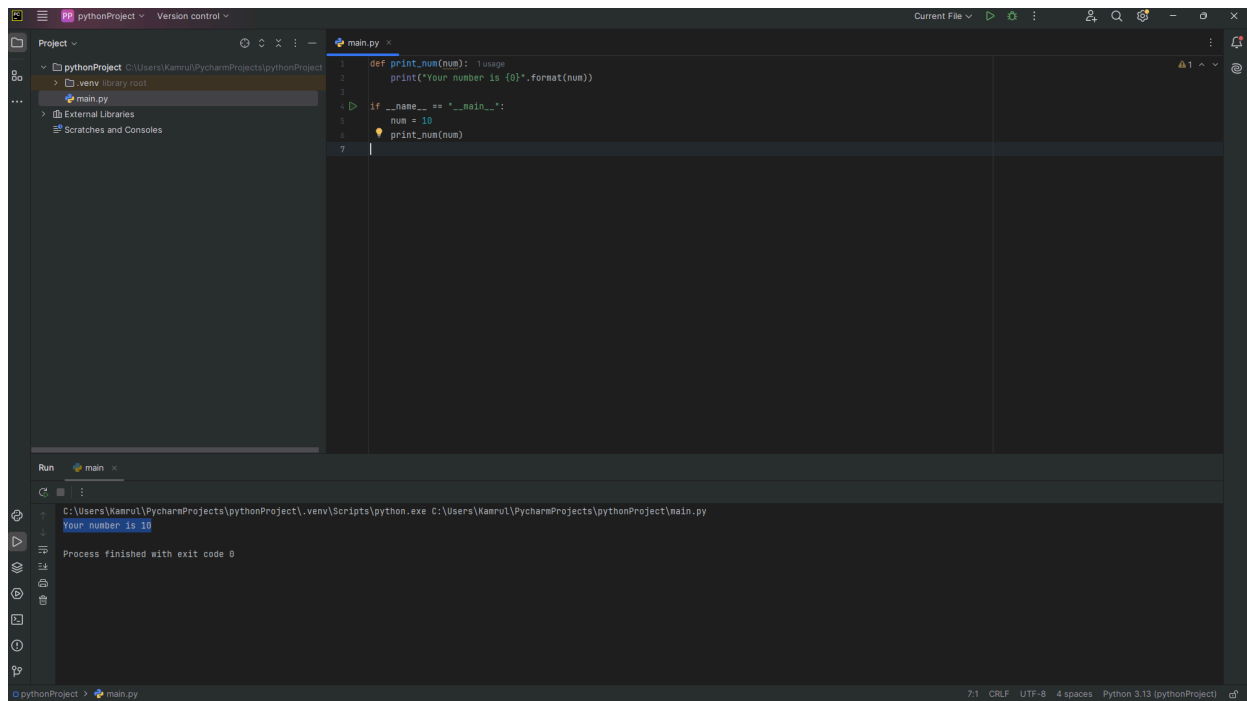


### Explanation:

- The function `my_function()` prints a message.
- The `if __name__ == "__main__":` ensures the function runs when the script is executed.

## Task 2: Print a Value Program

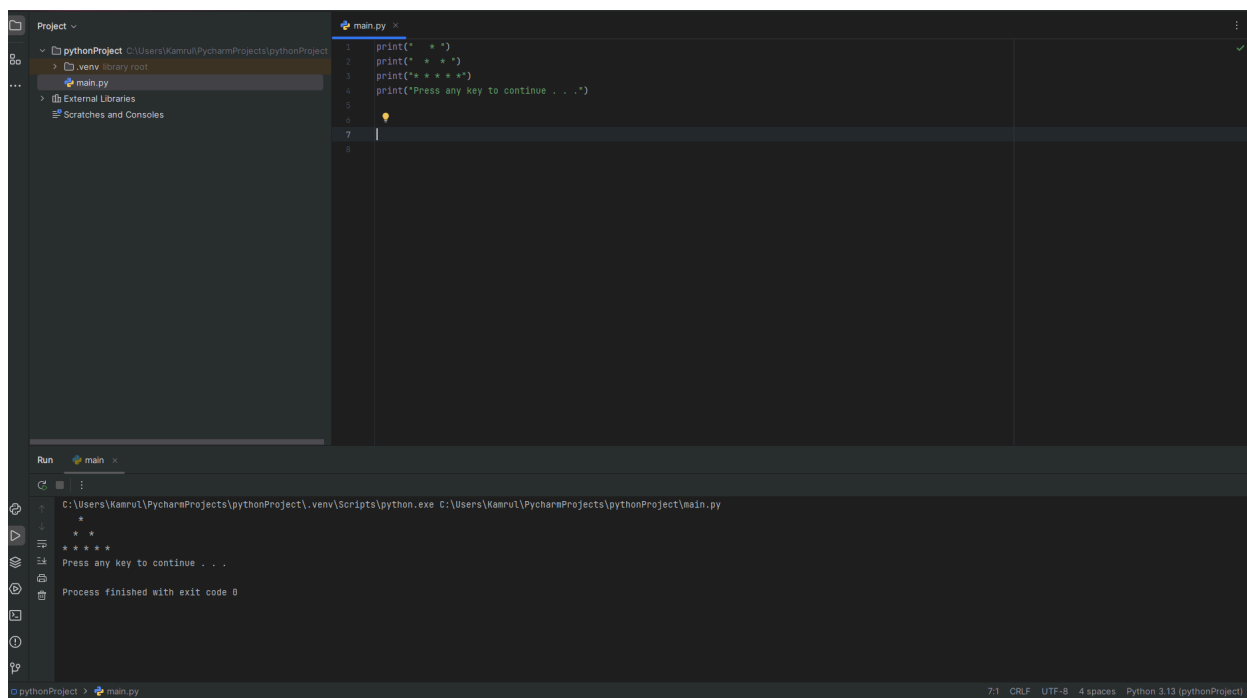
This program prints the value of a variable



## Explanation:

- `print_num(num)` is a function that prints a number in a formatted way.
- The variable `num` is assigned `10`, and the function is called.

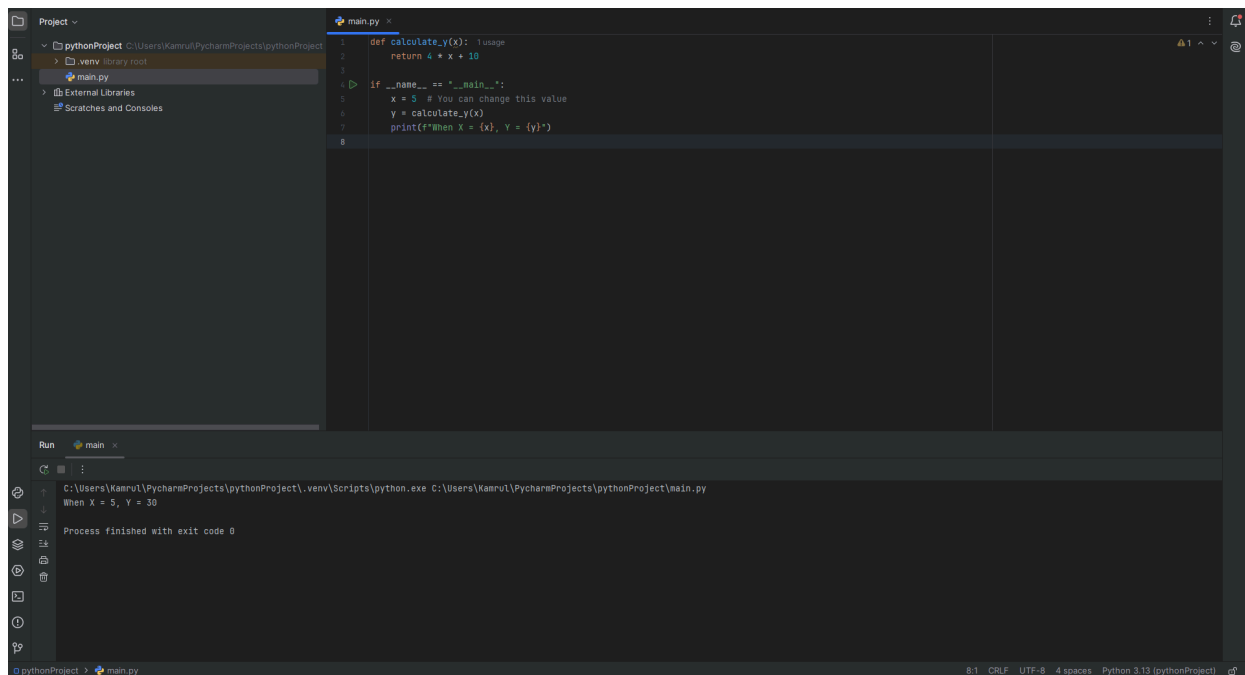
## Exercise 2.1: Printing a Specific Output



## Explanation:

- `print()` is used to display text or symbols.
- Spaces are added at the beginning to format the stars in a pyramid-like shape.
- "Press any key to continue . . ." is just a text message; in Python,

## Exercise 2.2: Mathematical Equation $Y = 4X + 10$



The screenshot shows a Python IDE with a project named 'pythonProject'. The file explorer on the left shows 'main.py'. The editor displays the following code:

```
1 def calculate_y(x): 1usage
2     return 4 * x + 10
3
4 if __name__ == "__main__":
5     x = 5 # You can change this value
6     y = calculate_y(x)
7     print(f'When X = {x}, Y = {y}.')
8
```

The Run console at the bottom shows the output: "When X = 5, Y = 30". The status bar at the bottom indicates the file encoding is UTF-8, line endings are CRLF, and the Python version is 3.13.

## Explanation:

- The function `calculate_y(x)` computes  $Y = 4X + 10$ .
- The value of `X` is set to `5` (you can modify it).
- The output prints the computed value of `Y`.