Lab #3   Pre-processor Directives, Bit Manipulation, and Function Pointers

Task #1:

Define Constants Using `#define`

- Use `#define` to create a constant `PI` with a value of `3.14159`.
- Write a function to calculate the area of a circle using `PI`.

Basic Bitwise Operations

- **Write a program that takes two integers as input and performs:**
  - **Bitwise AND (&)**
  - **Bitwise OR (|)**
  - **Bitwise XOR (^)**
  - **Bitwise NOT (~)**
  - **Left Shift (<<)**
  - **Right Shift (>>)**
- **Print the results.**

Task #3:

1. **Using Function Pointers for Arithmetic Operations**
   - **Write functions for addition, subtraction, multiplication, and division.**
   - **Use a function pointer to call these functions dynamically based on user input.**