

PF-Lab Assignment (24k-0775)

Task 1: Pseudocode to find the smallest number among three given variables.

- 1) **Start**
- 2) Ask the user to enter 3 values (a, b, and c).
- 3) Set smallest = a; if $a < b$ AND $a < c$.
- 4) Set smallest = b; if $b < a$ AND $b < c$.
- 5) Set smallest = c; if $c < a$ AND $c < b$.
- 6) Print smallest.
- 7) **End.**

Task 2: Pseudocode to subtract two numbers without using the “-” operator.

- 1) **Start**
- 2) Ask the user to enter 2 values (a and b).
- 3) Set $c = \sim b + 1$ (Complement of b+1 is equal to -b).
- 4) Set $sub = a + c$.
- 5) Print sub.
- 6) **End.**

Task 3: Pseudocode for a basic calculator that performs multiplication, addition, division, and subtraction.

- 1) **Start**
- 2) Ask the user to enter 2 values (a and b) and operator (p).
- 3) IF $p == "+"$; Set result = $a + b$.
- 4) IF $p == "-"$; Set result = $a - b$.
- 5) IF $p == "*"$; Set result = $a * b$.
- 6) IF $p == "\"$; Set result = $a \setminus b$.
- 7) IF $p == "\%$ "; Set result = $a \% b$.
- 8) **End.**