PSEUDOCODE FOR A SIMPLE CALCULATOR

BEGIN Program

1. **DISPLAY** "Welcome to your calculator!"
2. **DISPLAY** "Please enter your first number."
3. **GET** input from the user
4. **CONVERT** the input to a number with decimals (a float)
5. **STORE** the result in a variable called first_number
6. **DISPLAY** "Please enter your second number."
7. **GET** input from the user
8. **CONVERT** the input to a number with decimals (a float)
9. **STORE** the result in a variable called second_number
10. **PERFORM** addition: add_result = first_number + second_number
11. **PERFORM** subtraction: subtract_result = first_number - second_number
12. **PERFORM** multiplication: multiply_result = first_number * second_number
13. **PERFORM** division: divide_result = first_number / second_number
14. **PERFORM** floor division: floor_divide_result = first_number // second_number
15. **PERFORM** modulus (remainder): modulus_result = first_number % second_number
16. **PERFORM** power (exponent): power_result = first_number ** second_number
17. **ROUND** the division result to 2 decimal places: rounded_quotient = round(divide_result, 2)
18. **DISPLAY** "The sum is: ", add_result
19. **DISPLAY** "The difference is: ", subtract_result
20. **DISPLAY** "The product is: ", multiply_result
21. **DISPLAY** "The quotient is: ", rounded_quotient
22. **DISPLAY** "The floor division result is: ", floor_divide_result
23. **DISPLAY** "The remainder is: ", modulus_result
24. **DISPLAY** "The power result is: ", power_result

END Program