Python Practice Lab Sheet – Set 1

1. Print a Welcome Message
Write a program to print: "Welcome to the AI Lab!"

2. Input & Display Student Details
Take the student's name, roll number, and branch as input. Print them in a formatted sentence.

3. Simple Calculator
Take two numbers from the user. Print their sum, difference, product, and quotient.

4. Temperature Converter
Input temperature in Celsius. Convert it to Fahrenheit using F = (9/5) * C + 32.

5. Even or Odd Checker
Input a number. Print whether it is even or odd.

6. Largest of Three Numbers
Take three numbers from the user. Print the largest number.

7. Print First N Natural Numbers
Input N. Use a for loop to print numbers from 1 to N.

8. Calculate Factorial
Input a number N. Use a loop to compute and print N!.

9. List Operations
Input 5 numbers, store in a list, and print the list, smallest number, and largest number.

10. Prime Number Function
Write a function is_prime(n) to check whether a number is prime. Test it with user input.