

Functions Assignment – 1

Q1. Write a function `add_numbers(a, b)` that takes two arguments and returns their sum.

Q2. Write a function `is_even(n)` that takes an integer and returns True if the number is even, otherwise False.

Q3. Write a function `factorial(n)` that takes a non-negative integer and returns its factorial.

Q4. Write a function `max_of_two(a, b)` that takes two numbers and returns the larger of the two.

Q5. Write a function `count_vowels(s)` that takes a string and returns the number of vowels in the string.

Q6. Write a function `celsius_to_fahrenheit(c)` that takes a temperature in Celsius and returns the temperature in Fahrenheit.
(Formula: $F = C * \frac{9}{5} + 32$)

Q7. Write a function `multiplication_table(n)` that takes an integer and prints its multiplication table from 1 to 10.