

Answer the following - 5 marks each

1. Write a function that uses the ternary operator to determine the maximum of two integers. Return the maximum.
2. Write a program that reads a number and a string from the keyboard and prints it out as “<number> <string>”.
3. Write a function that swaps two integers. Use pass by reference.
4. Write a function that uses Switch-CASE statement to calculate the area of a Circle, Square and Triangle based on the user’s choice that is passed as a parameter to the function. Define Pi to be a constant.
5. Write a program to read a character from the keyboard and print the character and its corresponding ASCII value.
6. Write a function to convert a decimal number to its binary form.
7. Write a recursive function to calculate the factorial of a number.
8. Write a recursive function to find the GCD of two numbers.
9. Write a recursive function to calculate the fibonacci series until 25.
10. Write a function to print the transpose of a 5x5 matrix.