Ans 5)

Header Files:

* iostream: For input and output operations.
* cmath: For mathematical functions like pow().
* cstring: For string handling functions like strcmp().

Factorial Function:

* Purpose: Computes the factorial of a non-negative integer a.
* Parameters: int a - the number for which the factorial is calculated.
* Returns: The factorial of a.
* Details: Uses a loop to multiply numbers from a down to 1.

Main Function:

* Variables:
  + a, b: Operands for the calculation.
  + r: Result of the operation.
  + memory: Stores the result in memory.
  + op: Operator for the operation.
  + choice[10]: User input for commands.

User Input and Calculation:

* Details: Uses if statements to determine the operation based on op. Handles addition, subtraction, multiplication, division, power, and factorial.

Loop and User Commands:

* Purpose: Provides options for the user to restart the calculation, reuse the result, use memory, or quit the program.
* Details: Uses goto statements to navigate to different parts of the code based on user commands.