1. Start
2. Accept Matrix A call Mtx\_A
3. Accept Matrix B call Mtx\_B
4. Check Mtx\_A column and Mtx\_B column are equal.

If not, return empty Matrix C

1. Create a new Matrix C call Mtx\_C with Mtx\_A column X Mtx\_B row
2. Set loop which iterates from Mtx\_A first row to Mtx\_A last row
   1. Set loop which iterates from Mtx\_B first column to last column
      1. Set loop which iterates from Mtx\_A first column to Mtx\_A last column
         * + Multiple current Mtx\_A column value by current Mtx\_B row value
           + Store the result to Mtx\_C index of current Mtx\_A row and current Mtx\_B column
           + Increment Mtx\_A column and Mtx\_B row
           + Back to i
3. Stop