**CAED LAB 05**

**EXERCISES**

***HAMZA AHMED SIDDIQUI***

***FA17-BECE-0026***

Q1: Evaluate the following MATLAB expressions. Where i,j,k and l have the following values:

1. i\*j + k\*l

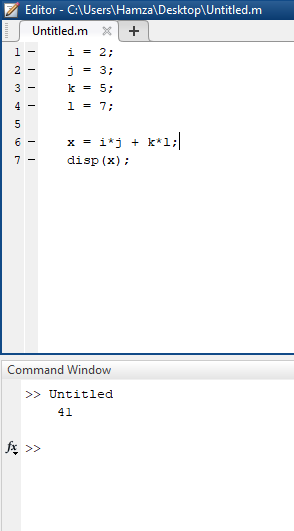
2. i\*(j+k)\*l

3. (i\*j) + (k/l)

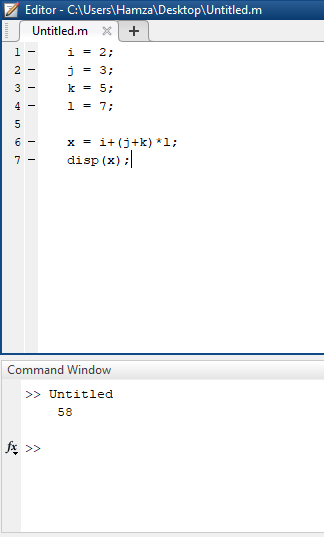
4. (i+j) \* i^j

**Result:**

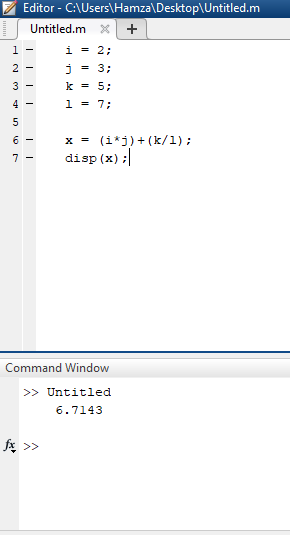
1.



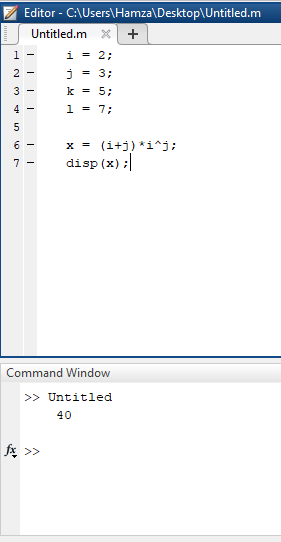
2.



3.



4.



Q2: Evaluate the following MATLAB expressions. Where x = 3-4i and y=1+2i.

1. X + y

2. X – y

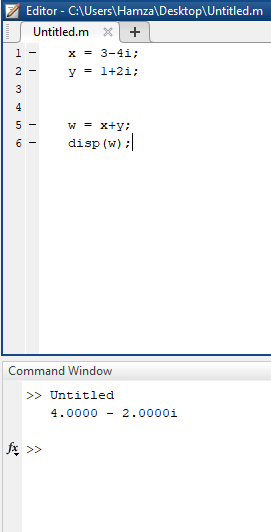
3. X \* z

4. x/y

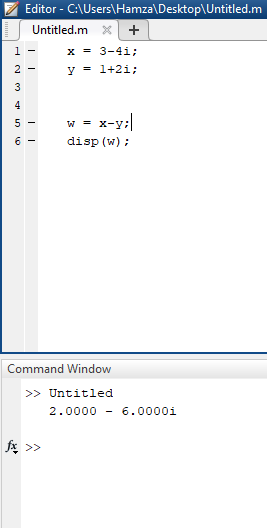
5. X power y

**Result:**

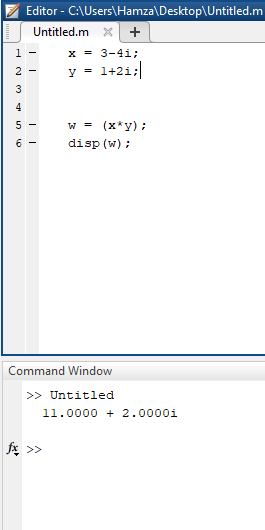
1.



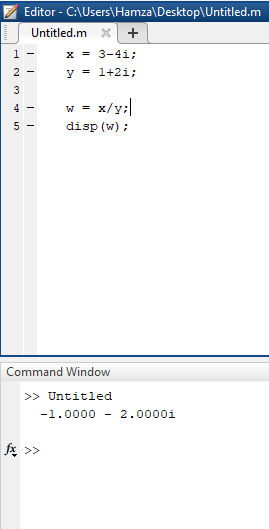
2.



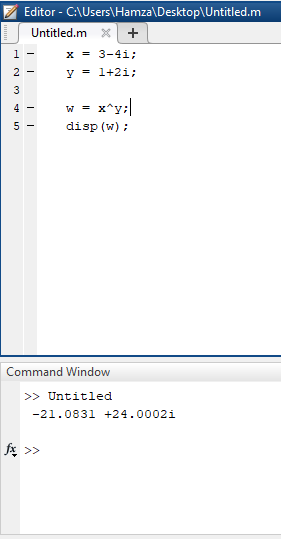
3.



4.

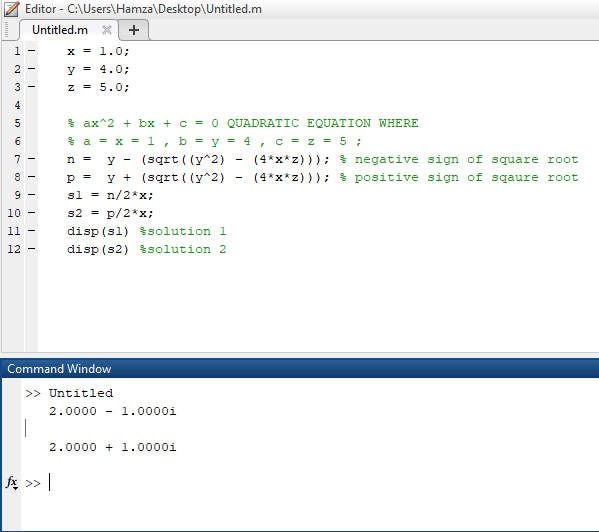


5.



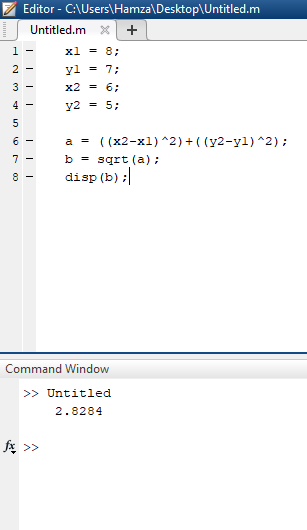
Q3: Write a program to solve Quadratic Equation in MATLAB.

**Result:**



Q4: Write a program to solve Distance formula in MATLAB.

**Result:**



Q5: Write a program to solve mid-point in MATLAB.

**Result:**

