//Name: Ranapratapsingh Pravin Patil

//Batch: B3

//Roll No.: 81

//Practical no - 3

Startup execution:

loading initial environment

--> //Create 2D array

--> a=[1 2;3 4]

a =

1. 2.
3. 4.

--> b=[3 4;5 6]

b =

3. 4.
5. 6.

--> //1. Addition Operations

--> //Take another variable to store the addition.

--> c=a+b

c =

4. 6.
8. 10.

--> //2. Subtraction Operations

--> //Take another variable to store the subtraction.

--> d=a-b

d =

-2. -2.

-2. -2.

--> //3. Multiplication Operations

--> e=a*b

e =

13. 16.

29. 36.

--> //4. Division Operations

--> f=a/b

f =

2. -

1.

1. 0.

--> g=a\b

g =

-1. -

2.

2. 3.

--> //5. Inverse Operations

--> a=[1 2;3 4]

a =

1. 2.
3. 4.

--> inv(a)

ans =

-2. 1.
1.5 -0.5

--> //6. Transpose Operations

--> a=[1 2;3 4]

a =

1. 2.
3. 4.

--> a'

ans =

1. 3.
2. 4.

--> //7. Exponent Operations --> x=2

x =

2.

--> a=3

a =

3.

--> x^a

ans =

8.