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//Batch: B3  
//Roll No: 81  
//Practical no : 4

-->//a. Relational  
operations

-->c=[1 0;0 1]  
c =

1. 0.  
0. 1.

-->d=[0 1;1 0]  
d =

0. 1.  
1. 0.

-->c>d  
ans =

T F  
F T

-->c<d  
ans =

F T  
T F

-->c==d  
ans =

F F  
F F

-->c<=d  
ans =

F T  
T F

-->c>=d  
ans =

T F

F T

```
-->c~=d
ans =
```

T T  
T T

```
-->//B. Logical operations
```

```
-->a=[1 0 0;0 1 0;0 0 1]
a =
```

1. 0. 0.  
0. 1. 0.  
0. 0. 1.

```
-->~a
ans =
```

F T T  
T F T  
T T F

```
-->~(~a)
ans =
```

T F F  
F T F  
F F T

```
-->//Examples of & operator
```

```
-->c=[1 0;0 1]
c =
```

1. 0.  
0. 1.

```
-->d=[0 1;1 0]
d =
```

0. 1.  
1. 0.

```
-->c&d
ans =
```

F F  
F F

//Example of | operator

-->c|d  
ans =

T T  
T T

//Example of XOR operator

-->c=[1 0;0 1]  
c =

1. 0.  
0. 1.

-->d=[0 1;1 0]  
d =

0. 1.  
1. 0.

-->x=bitxor(c,d)  
x =

1. 1.  
1. 1.