Lesson Two: Types of Matrices

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Types of matrices Covered earlier in lesson One

- 1. Row Matrix
- 2. Column Matrix

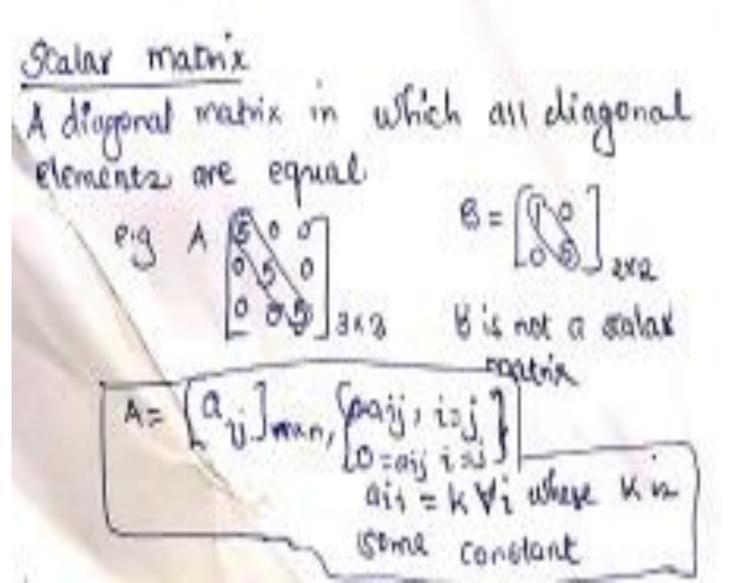
3. Square Matrix

are the same. eg c= [35] A square of order 2

4. Diagonal Matrix

- we only consider one meters the main leading principle diagonal -50 if all alements except the ones in the leading diagonal are zero of the square mains - An extension

5. Scalar Matrix



6. Identity Matrix

7. Null Matrix

```
Mull matrix (2010 matrix)
A matrix whose all element.
This must not be a
Square matrix
eng N= [00] exa
    B= [888] BKS
    C= [000] 2x3
 denoted by a o
    X = [aij] mxn, aij = 0
```

8. Upper Triangular Matrix

9. Lower Triangular Matrix

| Mat | ex n'x | Tria | ngulo | X | - 3 |
|-----|-----------|-------|------------|-------|------------|
| wh | squ | are | | nic a | in bove |
| 201 | * | nain | dio (A) | Bough | are xa |
| | A = | E.S. | eg] 3x | 3 | |
| | ai | 3 = 0 | Vix | 3 | |

Questions? Comments?

Read about the Hermitian matrix and the Skew Hermitian Matrix.

Give examples and provide the mathematical Representation of the matrix