



**AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)**  
 Faculty of Science and Technology (FST)  
 Department of Computer Science (CS)  
 Data Structure  
 2D Array Operations

Create a two-dimensional array of size 4 rows and 4 columns to store data of a 4X4 matrix.

Using loops take number from user for each matrix position i.e row,col .

After forming Matrix, you have to

a) Print all matrix like below

```
12 21 32 67
4  50 16 54
17 87 47 34
71 45 19 3
```

b) Print first diagonal

```
12
  50
    47
      3
```

c) Print reverse diagonal

```
      67
    16
  87
71
```

d) Print all element of row 3

e) Print all element of column 2

f) Print summation of all element of row 4

g) Print summation of all element of column 3

h) Print only first row and first coulumn

```
12 21 32 67
4
17
71
```