

C Programming

LABs Lecture 5

Eng: fahd badi

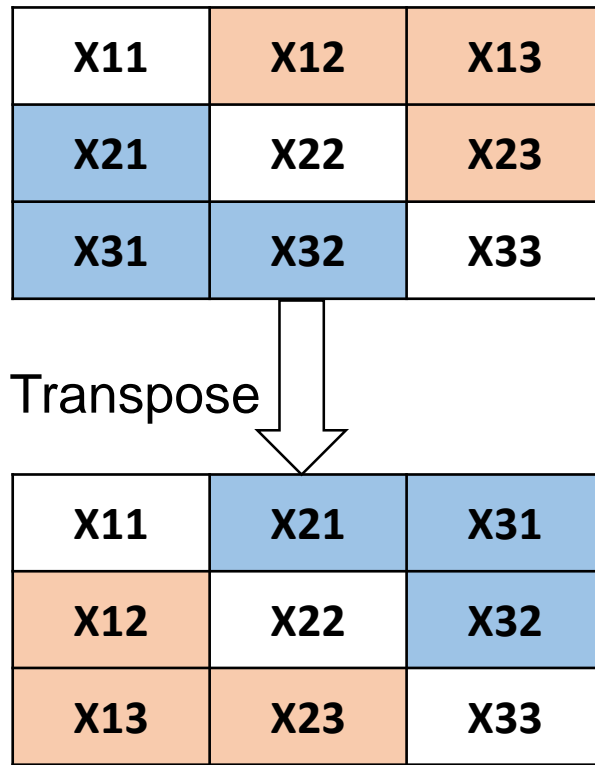
LAB1

Write a C code that ask the user to enter 10 values and save them in an array **using a for loop**. Then print the summation and the average of the values entered.

```
Enter Number 1: 100
Enter Number 2: 200
Enter Number 3: 300
Enter Number 4: 400
Enter Number 5: 500
Enter Number 6: 600
Enter Number 7: 700
Enter Number 8: 800
Enter Number 9: 900
Enter Number 10: 1000
Summation of array = 5500
Average of array = 550.000000
```

LAB2

Write C Program to Find Transpose of a Matrix.



```
Enter the element[0][0]: 10
Enter the element[0][1]: 20
Enter the element[0][2]: 30
Enter the element[1][0]: 40
Enter the element[1][1]: 50
Enter the element[1][2]: 60
Enter the element[2][0]: 70
Enter the element[2][1]: 80
Enter the element[2][2]: 90
```

The original matrix is...

```
10      20      30
40      50      60
70      80      90
```

The transpose matrix is...

```
10      40      70
20      50      80
30      60      90
```

LAB3

Write C Program which, given a string, converts all uppercase letters to lowercase, leaving the others unchanged..

```
Please Enter Sting : FaHD  
Sting after converting : fahd
```

```
Please Enter Sting : HEllO  
Sting after converting : hello
```



Eng. Fahd Badi Abdelhameed

