Problem 5: Add two 2d arrays of same size and store the result in the 3rd note.

Code:

```c
#include <stdio.h>
int main() {
    int a[2][2], b[2][2], c[2][2], i, j;
    printf("Enter elements of first 2x2 matrix:\n");
    for(i=0;i<2;i++)
        for(j=0;j<2;j++)
            scanf("%d",&a[i][j]);

    printf("Enter elements of second 2x2 matrix:\n");
    for(i=0;i<2;i++)
        for(j=0;j<2;j++)
            scanf("%d",&b[i][j]);

    for(i=0;i<2;i++)
        for(j=0;j<2;j++)
            c[i][j] = a[i][j] + b[i][j];
```

```c
    printf("Sum:\n");
    for(i=0;i<2;i++){
        for(j=0;j<2;j++)
            printf("%d ",c[i][j]);
        printf("\n");
    }
    return 0;
}
```

Output:

Enter elements of first 2x2 matrix:

5 7

9 8

Enter elements of second 2x2 matrix:

1 2

5 3

Sum:

6 9

14 11