Code

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#include <stdio.h>
int main() {
    int i, j, rows, cols;
    printf("Enter number of rows and columns: ");
    scanf("%d %d", &rows, &cols);
    int arr[rows][cols];
    printf("Enter the elements of the matrix:\n");
    for(i = 0; i < rows; i++) {
        for(j = 0; j < cols; j++) {
            scanf("%d", &arr[i][j]);
        }
    }
    printf("\nSum of each row:\n");
    for(i = 0; i < rows; i++) {
        int rowSum = 0;
        for(j = 0; j < cols; j++) {
            rowSum += arr[i][j];
        }
        printf("Row %d = %d\n", i + 1, rowSum);
    }
    printf("\nSum of each column:\n");
    for(j = 0; j < cols; j++) {
        int colSum = 0;
        for(i = 0; i < rows; i++) {
            colSum += arr[i][j];
        }
        printf("Column %d = %d\n", j + 1, colSum);
    }
```

```
    return 0;
}
```

Output