#include <stdio.h>

#define ROWS 3

#define COLS 3

int main() {

int arr[ROWS][COLS];

int i, j;

printf("Enter elements of %dx%d array:\n", ROWS, COLS);

for(i = 0; i < ROWS; i++) {

for(j = 0; j < COLS; j++) {

printf("Element [%d][%d]: ", i, j);

scanf("%d", &arr[i][j]);

}

}

printf("\nThe array is:\n");

for(i = 0; i < ROWS; i++) {

for(j = 0; j < COLS; j++) {

printf("%d\t", arr[i][j]);

}

printf("\n");

}

printf("\nSum of each row:\n");

for(i = 0; i < ROWS; i++) {

int row\_sum = 0;

for(j = 0; j < COLS; j++) {

row\_sum += arr[i][j];

}

printf("Row %d sum: %d\n", i+1, row\_sum);

}

printf("\nSum of each column:\n");

for(j = 0; j < COLS; j++) {

int col\_sum = 0;

for(i = 0; i < ROWS; i++) {

col\_sum += arr[i][j];

}

printf("Column %d sum: %d\n", j+1, col\_sum);

}

return 0;

}

**Output:**

