5)

#include <iostream>

using namespace std;

int main() {

int a[10][10], r, c;

cout << "Enter number of rows: ";

cin >> r;

cout << "Enter number of columns: ";

cin >> c;

cout << "Enter elements of the matrix:\n";

for (int i = 0; i < r; i++) {

for (int j = 0; j < c; j++) {

cin >> a[i][j];

}

}

cout << "\nSum of each row:\n";

for (int i = 0; i < r; i++) {

int sum = 0;

for (int j = 0; j < c; j++) {

sum += a[i][j];

}

cout << "Row " << i + 1 << ": " << sum << endl;

}

cout << "\nSum of each column:\n";

for (int j = 0; j < c; j++) {

int sum = 0;

for (int i = 0; i < r; i++) {

sum += a[i][j];

}

cout << "Column " << j + 1 << ": " << sum << endl;

}

return 0;

}