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**Title: Sum of Individual Rows of matrix**

**Theory:**  The following code asks the user for rows and columns and asks the user to accordingly fill the matrix. The nested loop is used to determine the sum of the rows and print accordingly.

**Code:**

**#include <iostream>**

**using namespace std;**

**int main() {**

**int rows, cols;**

**cout << "Enter the number of rows: ";**

**cin >> rows;**

**cout << "Enter the number of columns: ";**

**cin >> cols;**

**int arr[rows][cols];**

**for (int i = 0; i < rows; ++i) {**

**for (int j = 0; j < cols; ++j) {**

**cout << "Element at index " << i << ", " << j << ": ";**

**cin >> arr[i][j];**

**}**

**}//input**

**cout << "\nSum of elements in each row:" << endl;**

**for (int i = 0; i < rows; ++i) {**

**int rowSum = 0;**

**for (int j = 0; j < cols; ++j) {**

**rowSum += arr[i][j];**

**}**

**cout << "Row " << i + 1 << ": " << rowSum << endl;**

**}//output**

**return 0;**

**}**

**Output:(screenshot):**

