

Answer on Question#37627, Programming, C++

```
#include<iostream>
using namespace std;

void product(int *arr[2], int number); // prototype of function product

void product(int *arr[2], int number) { // function product
    int product = 1;
    for (int i = 0; i < 2; i++) {
        product = 1;
        for (int j = 0; j < number; j++) {
            product *= arr[j][i];
        }
        cout << "Product of " << i + 1 << " column : " << product;
        cout << endl;
    }
}

int main() {

    int number;
    cout << "Please enter amount of numbers in array : ";
    cin >> number;
    cout << endl;

    int **arr = new int *[number]; // allocate memory for array

    for (int i = 0; i < number; i++) {
        arr[i] = new int[2];

        for (int j = 0; j < 2; j++) {
            cout << "Please enter the numbers of the " << i + 1 << " column : ";
            cin >> arr[i][j]; // input array
            cout << endl;
        }
    }

    product(arr, number); // pass the array and number of numbers to the function

    delete []arr; // clear memory

    system("pause");
    return 0;
}
```