

LAB 8 SUBMISSION

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```
intitled1.cpp  ^  |[*] Untitled2.cpp  ^  |
1  #include <iostream> //task 1
2  using namespace std;
3  int main()
4  {
5      int maxUsers = 10;
6      int ticketPrice = 200;
7      int popcornPrice = 50;
8
9      int numberOfUsers;
10     cout << "How many users want to attend the event? (Maximum 10): ";
11     cin >> numberOfUsers;
12     if (numberOfUsers > maxUsers) {
13         cout << "Sorry, the maximum number of users allowed is 10." << endl;
14     }
15
16     string studentNames[maxUsers];
17
18     for (int i = 0; i < numberOfUsers; i++) {
19         cout << "Enter the name of student " << i + 1 << ": ";
20         cin >> studentNames[i];
21     }
22
23     int totalTicketCost = numberOfUsers * ticketPrice;
24     int totalPopcornCost = numberOfUsers * popcornPrice;
25     int totalCost = totalTicketCost + totalPopcornCost;
26
27     cout << "\n--- Event Summary ---" << endl;
28
29     cout << "Number of students attending: " << numberOfUsers << endl;
30     cout << "Ticket Price per person: " << ticketPrice << " PKR" << endl;
31     cout << "Popcorn Price per person: " << popcornPrice << " PKR" << endl;
32     cout << "Total Ticket Cost: " << totalTicketCost << " PKR" << endl;
33     cout << "Total Popcorn Cost: " << totalPopcornCost << " PKR" << endl;
34     cout << "Total Event Cost: " << totalCost << " PKR" << endl;
35
36     cout << "\nList of Students Attending the Event:" << endl;
37     for (int i = 0; i < numberOfUsers; i++) {
38         cout << i + 1 << ". " << studentNames[i] << endl;
39     }
40
41     return 0;
42 }
```

C:\Users\Tariq Mehmood\Desktop\Untitled1.exe

```
How many users want to attend the event? (Maximum 10): 5
Enter the name of student 1: ali
Enter the name of student 2: alisha
Enter the name of student 3: ayesha
Enter the name of student 4: ahmed
Enter the name of student 5: noor

--- Event Summary ---
Number of students attending: 5
Ticket Price per person: 200 PKR
Popcorn Price per person: 50 PKR
Total Ticket Cost: 1000 PKR
Total Popcorn Cost: 250 PKR
Total Event Cost: 1250 PKR

List of Students Attending the Event:
1. ali
2. alisha
3. ayesha
4. ahmed
5. noor

Process exited after 23.36 seconds with return value 0
Press any key to continue . . .
```

sources Compile Log Debug Find Results Console Close

- Output Filename: C:\Users\Tariq Mehmood\Desktop\Untitled1.exe
- Output Size: 2.99627208709717 MiB
- Compilation Time: 1.77s

```
for (int i = 0; i < numberOfUsers; i++) {
    cout << "Enter the name of student " << i + 1 << ": ";
    cin >> studentNames[i];
}

int totalTicketCost = numberOfUsers * ticketPrice;
int totalPopcornCost = numberOfUsers * popcornPrice;
int totalCost = totalTicketCost + totalPopcornCost;

cout << "\n--- Event Summary ---" << endl;
cout << "Number of students attending: " << numberOfUsers << endl;
cout << "Ticket Price per person: " << ticketPrice << " PKR" << endl;
cout << "Popcorn Price per person: " << popcornPrice << " PKR" << endl;
cout << "Total Ticket Cost: " << totalTicketCost << " PKR" << endl;
cout << "Total Popcorn Cost: " << totalPopcornCost << " PKR" << endl;
cout << "Total Event Cost: " << totalCost << " PKR" << endl;

cout << "\nList of Students Attending the Event:" << endl;
for (int i = 0; i < numberOfUsers; i++) {
    cout << i + 1 << ". " << studentNames[i] << endl;
}

return 0;
}
```

sources Compile Log Debug Find Results Console Close

- Output Filename: C:\Users\Tariq Mehmood\Desktop\Untitled1.exe
- Output Size: 2.99627208709717 MiB

```
#include <iostream> //task2
using namespace std;
int main()
{
    int maxStudents = 15;
    int entryFee = 150;
    int snackCost = 50;

    int numberOfStudents;
    cout << "How many students will attend the game night? (Maximum 15): ";
    cin >> numberOfStudents;

    if (numberOfStudents > maxStudents) {
        cout << "Error: Not more students allowed." << endl;
        return 0;
    }
    string studentNames[maxStudents];
    int totalCostAllStudents = 0;

    for (int i = 0; i < numberOfStudents; i++) {
        cout << "Enter name for student " << i + 1 << ": ";
        cin >> studentNames[i];

        int totalCostPerStudent = entryFee + snackCost;
        totalCostAllStudents += totalCostPerStudent;

        cout << "Total cost for " << studentNames[i] << ": " << totalCostPerStudent << " PKR" << endl;
    }

    cout << "\n--- User names for the event ---" << endl;
    for (int i = 0; i < numberOfStudents; i++) {
        cout << "User " << i + 1 << ": " << studentNames[i] << endl;
    }

    cout << "\nTotal cost for all students (entry + snacks): " << totalCostAllStudents << " PKR" << endl;

    return 0;
}
```

C:\Users\Tariq Mehmood\Desktop\Untitled2.exe

How many students will attend the game night? (Maximum 15): 5
Enter name for student 1: ali
Total cost for ali: 200 PKR
Enter name for student 2: noor
Total cost for noor: 200 PKR
Enter name for student 3: ayesha
Total cost for ayesha: 200 PKR
Enter name for student 4: ahmed
Total cost for ahmed: 200 PKR
Enter name for student 5: mahnoor
Total cost for mahnoor: 200 PKR

--- User names for the event ---
User 1: ali
User 2: noor
User 3: ayesha
User 4: ahmed
User 5: mahnoor

Total cost for all students (entry + snacks): 1000 PKR

Process exited after 13.76 seconds with return value 0
Press any key to continue . . .

Output Filename: C:\Users\Tariq Mehmood\Desktop\Untitled2.exe
Output Size: 2.99578380584717 MiB
Compilation Time: 1.83s

```
        cout << "Error: Not more students allowed." << endl;
        return 0;
    }
    string studentNames[maxStudents];
    int totalCostAllStudents = 0;

    for (int i = 0; i < numberOfStudents; i++) {
        cout << "Enter name for student " << i + 1 << ": ";
        cin >> studentNames[i];

        int totalCostPerStudent = entryFee + snackCost;
        totalCostAllStudents += totalCostPerStudent;

        cout << "Total cost for " << studentNames[i] << ": " << totalCostPerStudent << " PKR" << endl;
    }

    cout << "\n--- User names for the event ---" << endl;
    for (int i = 0; i < numberOfStudents; i++) {
        cout << "User " << i + 1 << ": " << studentNames[i] << endl;
    }

    cout << "\nTotal cost for all students (entry + snacks): " << totalCostAllStudents << " PKR" << endl;

    return 0;
}
```