

QUESTION#1

```
Untitled1.cpp
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     const int MAX_USERS = 10;
6     string names[MAX_USERS];
7     float ticketPrice = 150.0;
8     float popcornPrice = 50.0;
9     float totalCost = 0.0;
10    int numUsers;
11    cout << "How many users attend the event? (Maximum 10): ";
12    cin >> numUsers;
13
14
15    if (numUsers > MAX_USERS) {
16        cout << "Error: Not more users allowed." << endl;
17        return 1;
18    }
19
20
21    for (int i = 0; i < numUsers; i++) {
22        cout << "Enter name for user " << (i + 1) << ": ";
23        cin >> names[i];
24    }
```

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How many users attend the event? (Maximum 10): 7
Enter name for user 1: ZUBIA
Enter name for user 2: AYESHA
Enter name for user 3: HAYA
Enter name for user 4: AIMAN
Enter name for user 5: JOHN
Enter name for user 6: HAYAT
Enter name for user 7: YOUSAF
User names for the event:
User 1: ZUBIA
Total cost for ZUBIA: 200 PKR
User 2: AYESHA
Total cost for AYESHA: 200 PKR
User 3: HAYA
Total cost for HAYA: 200 PKR
User 4: AIMAN
Total cost for AIMAN: 200 PKR
User 5: JOHN
Total cost for JOHN: 200 PKR
User 6: HAYAT
Total cost for HAYAT: 200 PKR
User 7: YOUSAF
Total cost for YOUSAF: 200 PKR
Total cost for all users: 1400 PKR
```

```
Clas • • • Untitled1.cpp
22     cout << "Enter name for user " << (i + 1) << ": ";
23     cin >> names[i];
24 }
25
26
27     cout << "User names for the event:" << endl;
28     for (int i = 0; i < numUsers; i++) {
29         cout << "User " << (i + 1) << ": " << names[i] << endl;
30     }
31
32     float userCost = ticketPrice + popcornPrice;
33     cout << "Total cost for " << names[i] << ": " << userCost << " PKR" << endl;
34
35
36     totalCost += userCost;
37 }
38
39
40     cout << "Total cost for all users: " << totalCost << " PKR" << endl;
41
42     return 0;
43
44 }
```

QUESTION NO 2:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     const int MAX_STUDENTS = 15;
6     string names[MAX_STUDENTS];
7     float entryFee = 100.0;
8     float snackCost = 50.0;
9     float totalCost = 0.0;
10
11     int numStudents;
12
13     cout << "How many students will attend the game night? (Max 15): ";
14     cin >> numStudents;
15
16     if (numStudents > MAX_STUDENTS) {
17         cout << "Error: Not more students allowed." << endl;
18         return 1;
19     }
20     for (int i = 0; i < numStudents; i++) {
21         cout << "Enter name for student " << (i + 1) << ": ";
22         cin >> names[i];
23     }
24     cout << "User names for the event:" << endl;
25
26     for (int i = 0; i < numStudents; i++) {
27         cout << "User " << (i + 1) << ": " << names[i] << endl;
28         float studentCost = entryFee + snackCost;
29         cout << "Total cost for " << names[i] << ": " << studentCost << " PKR" << endl;
30         totalCost += studentCost;
31     }
32     cout << "Total cost for all students: " << totalCost << " PKR" << endl;
33
34     return 0;
35 }
```

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How many students will attend the game night? (Max 15):

Enter name for student 1: SALAR

Enter name for student 2: HASHIM

Enter name for student 3: JIHAN

Enter name for student 4: YARAM

Enter name for student 5: UMER

User names for the event:

User 1: SALAR

Total cost for SALAR: 150 PKR

User 2: HASHIM

Total cost for HASHIM: 150 PKR

User 3: JIHAN

Total cost for JIHAN: 150 PKR

User 4: YARAM

Total cost for YARAM: 150 PKR

User 5: UMER

```
Untitled1.cpp x
14     cin >> numStudents;
15
16     if (numStudents > MAX_STUDENTS) {
17         cout << "Error: Not more students allowed." << endl;
18         return 1;
19     }
20     for (int i = 0; i < numStudents; i++) {
21         cout << "Enter name for student " << (i + 1) << ": ";
22         cin >> names[i];
23     }
24     cout << "User names for the event:" << endl;
25     for (int i = 0; i < numStudents; i++) {
26         cout << "User " << (i + 1) << ": " << names[i] << endl;
27
28         float studentCost = entryFee + snackCost;
29         cout << "Total cost for " << names[i] << ": " << studentCost << " PKR" << endl;
30         totalCost += studentCost;
31     }
32     cout << "Total cost for all students: " << totalCost << " PKR" << endl;
33
34     return 0;
35 }
```