

TASK 1:

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task 9.cpp
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     const int maxUsers = 10;
6     int numUsers;
7     double ticketPrice, popcornPrice;
8
9     cout << "Enter the ticket price: ";
10    cin >> ticketPrice;
11    cout << "Enter the popcorn price: ";
12    cin >> popcornPrice;
13
14    cout << "How many users want to attend the event (Maximum 10): ";
15    cin >> numUsers;
16
17    if (numUsers > maxUsers) {
18        cout << "Error! Not more than " << maxUsers << " users allowed." << endl;
19        return 1;
20    }
21
22    string usernames[maxUsers];
23
24    for (int i = 0; i < numUsers; i++) {
25        cout << "Enter name for user " << i + 1 << ": ";
26        cin >> usernames[i];
27    }
28
29    double totalCost = 0.0;
30    cout << "User names for the event:\n";
31    for (int i = 0; i < numUsers; i++) {
32        double individualCost = ticketPrice + popcornPrice;
33        totalCost += individualCost;
34        cout << "User " << i + 1 << ": " << usernames[i] << " - Total Cost: $" << individualCost << endl;
35    }
36
37    cout << "Total cost for all users: $" << totalCost << endl;
38    return 0;
39 }

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Enter the ticket price: 15
Enter the popcorn price: 5
How many users want to attend the event (Maximum 10): 9
Enter name for user 1: eman
Enter name for user 2: ayesha
Enter name for user 3: saima
Enter name for user 4: farah
Enter name for user 5: ayesha
Enter name for user 6: iza
Enter name for user 7: fiza
Enter name for user 8: ghaza
Enter name for user 9: noor

User names for the event:
User 1: eman - Total Cost: $20
User 2: ayesha - Total Cost: $20
User 3: saima - Total Cost: $20
User 4: farah - Total Cost: $20
User 5: ayesha - Total Cost: $20
User 6: iza - Total Cost: $20
User 7: fiza - Total Cost: $20
User 8: ghaza - Total Cost: $20
User 9: noor - Total Cost: $20

Total cost for all users: $180

Process exited after 66.15 seconds with return value 0
Press any key to continue . . .

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TASK2

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task 9.cpp
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     const int maxStudents = 15;
6     int numStudents;
7     double entryFee, snackCost;
8     cout << "Enter the entry fee: ";
9     cin >> entryFee;
10    cout << "Enter the snack cost: ";
11    cin >> snackCost;
12
13    cout << "How many students will attend the game night? (Maximum 15): ";
14    cin >> numStudents;
15
16    if (numStudents > maxStudents) {
17        cout << "Error! Not more than " << maxStudents << " students allowed." << endl;
18        return 1;
19    }
20
21    string studentNames[numStudents];
22    for (int i = 0; i < numStudents; i++) {
23        cout << "Enter name for student " << i + 1 << ": ";
24        cin >> studentNames[i];
25    }
26
27    double totalCost = 0.0;
28    cout << "Student names for the event:\n";
29    for (int i = 0; i < numStudents; i++) {
30        double individualCost = entryFee + snackCost;
31        totalCost += individualCost;
32        cout << "Student " << i + 1 << ": " << studentNames[i] << " - Total Cost: $" << individualCost << endl;
33    }
34
35    cout << "Total cost for all students: $" << totalCost << endl;
36    return 0;
37 }

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Enter the snack cost: 300
How many students will attend the game night? (Maximum 15): 10
Enter name for student 1: roha
Enter name for student 2: farah
Enter name for student 3: faiza
Enter name for student 4: eman
Enter name for student 5: sara
Enter name for student 6: hareem
Enter name for student 7: anaya
Enter name for student 8: ghaza
Enter name for student 9: hadia
Enter name for student 10: sadia

Student names for the event:
Student 1: roha - Total Cost: $1800
Student 2: farah - Total Cost: $1800
Student 3: faiza - Total Cost: $1800
Student 4: eman - Total Cost: $1800
Student 5: sara - Total Cost: $1800
Student 6: hareem - Total Cost: $1800
Student 7: anaya - Total Cost: $1800
Student 8: ghaza - Total Cost: $1800
Student 9: hadia - Total Cost: $1800
Student 10: sadia - Total Cost: $1800

Total cost for all students: $18000

Process exited after 64.79 seconds with return value 0
Press any key to continue . . .

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