

## Task 1:

```
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5      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
17     if (numStudents > maxStudents) {
18         cout << "Error: Not more than " << maxStudents << " students allowed." << endl;
19         return 1;
20     }
21     string studentNames[maxStudents];
22     for (int i = 0; i < numStudents; i++) {
23         cout << "Enter name for student " << i + 1 << ": ";
24         cin >> studentNames[i];
25     }
26 }
```

Resources Compile Log Debug Find Results Console Close

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\Asif computer\Documents\task 9.exe  
- Output Size: 2.99570380584717 MiB  
- Compilation Time: 2.42s

pat

```

ask 9.cpp
13 cout << "How many students will attend the game night? (Maximum 15): ";
14 cin >> numStudents;
15
16
17 if (numStudents > maxStudents) {
18     cout << "Error: Not more than " << maxStudents << " students allowed." << endl;
19     return 1;
20 }
21 string studentNames[maxStudents];
22 for (int i = 0; i < numStudents; i++) {
23     cout << "Enter name for student " << i + 1 << ": ";
24     cin >> studentNames[i];
25 }
26 double totalCost = 0.0;
27 cout << "\nStudent names for the event:\n";
28 for (int i = 0; i < numStudents; i++) {
29     double individualCost = entryFee + snackCost;
30     totalCost += individualCost;
31     cout << "Student " << i + 1 << ": " << studentNames[i] << " - Total Cost: $" << individualCost
32 }
33 cout << "\nTotal cost for all students: $" << totalCost << endl;
34
35 return 0;
36 }

```

sources Compile Log Debug Find Results Console Close

```

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Asif_computer\Documents\task 9.exe
- Output Size: 2.99578390584717 MiB
- Compilation Time: 2.42s

```

```

#include <iostream>
using namespace std;
int main()
{
    int maxStudents = 15;
    int numStudents;
    double entryFee, snackCost;
    cout << "Enter the entry fee: ";
    cin >> entryFee;
    cout << "Enter the snack cost: ";
    cin >> snackCost;

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

    if (numStudents > maxStudents) {
        cout << "Error: Not more than " << maxStudents << " students allowed."
        return 1;
    }
    string studentNames[maxStudents];
    for (int i = 0; i < numStudents; i++) {
        cout << "Enter name for student " << i + 1 << ": ";
        cin >> studentNames[i];
    }
}

```

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```

Enter the entry fee: 1500
Enter the snack cost: 300
How many students will attend the game night? (Maximum 15): 7
Enter name for student 1: zoha
Enter name for student 2: faiza
Enter name for student 3: ghaza
Enter name for student 4: farah
Enter name for student 5: emaan
Enter name for student 6: sadia
Enter name for student 7: naema

Student names for the event:
Student 1: zoha - Total Cost: $1800
Student 2: faiza - Total Cost: $1800
Student 3: ghaza - Total Cost: $1800
Student 4: farah - Total Cost: $1800
Student 5: emaan - Total Cost: $1800
Student 6: sadia - Total Cost: $1800
Student 7: naema - Total Cost: $1800

Total cost for all students: $12600

Process exited after 38.61 seconds with return value 0
Press any key to continue . . .

```

Task 2:

```
globals
task 9.cpp
2 using namespace std;
3 int main()
4 {
5     int maxUsers = 10;
6     int numUsers;
7     double ticketPrice, popcornPrice;
8     cout << "Enter the ticket price: ";
9     cin >> ticketPrice;
10    cout << "Enter the popcorn price: ";
11    cin >> popcornPrice;
12    cout << "How many users want to attend the event (Maximum 10): ";
13    cin >> numUsers;
14    if (numUsers > maxUsers) {
15        cout << "Error: Not more than " << maxUsers << " users allowed." << endl;
16        return 1;
17    }
18    string userNames[maxUsers];
19
20    for (int i = 0; i < numUsers; i++) {
21        cout << "Enter name for user " << i + 1 << ": ";
22        cin >> userNames[i];
23    }
24    double totalCost = 0.0;
25    cout << "\nUser names for the event:\n";
26    for (int i = 0; i < numUsers; i++) {
27        cout << userNames[i] << " - Total Cost: $20\n";
28        totalCost += 20;
29    }
30    cout << "\nTotal cost for all users: $80\n";
31    return 0;
32 }
```

```
C:\Users\Araf\computer\Docu...
Enter the ticket price: 15
Enter the popcorn price: 5
How many users want to attend the event (Maximum 10): 4
Enter name for user 1: farah
Enter name for user 2: ghaza
Enter name for user 3: zahra
Enter name for user 4: zain

User names for the event:
User 1: farah - Total Cost: $20
User 2: ghaza - Total Cost: $20
User 3: zahra - Total Cost: $20
User 4: zain - Total Cost: $20
Total cost for all users: $80

Process exited after 32.65 seconds with return value 0
Press any key to continue . . .
```

```
task 9.cpp
11    cin >> popcornPrice;
12    cout << "How many users want to attend the event (Maximum 10): ";
13    cin >> numUsers;
14    if (numUsers > maxUsers) {
15        cout << "Error: Not more than " << maxUsers << " users allowed." << endl;
16        return 1;
17    }
18    string userNames[maxUsers];
19
20    for (int i = 0; i < numUsers; i++) {
21        cout << "Enter name for user " << i + 1 << ": ";
22        cin >> userNames[i];
23    }
24    double totalCost = 0.0;
25    cout << "\nUser names for the event:\n";
26    for (int i = 0; i < numUsers; i++) {
27        double individualCost = ticketPrice + popcornPrice;
28        totalCost += individualCost;
29        cout << "User " << i + 1 << ": " << userNames[i] << " - Total Cost: $" << individualCost << "\n";
30    }
31    cout << "\nTotal cost for all users: $" << totalCost << endl;
32    return 0;
33 }
```

```
C:\Users\Araf\computer\Docu...
Enter the ticket price: 15
Enter the popcorn price: 5
How many users want to attend the event (Maximum 10): 4
Enter name for user 1: farah
Enter name for user 2: ghaza
Enter name for user 3: zahra
Enter name for user 4: zain

User names for the event:
User 1: farah - Total Cost: $20
User 2: ghaza - Total Cost: $20
User 3: zahra - Total Cost: $20
User 4: zain - Total Cost: $20
Total cost for all users: $80

Process exited after 32.65 seconds with return value 0
Press any key to continue . . .
```