

```

#include<iostream>
using namespace std;
int main()
{ int a[3];
  cout<<"enter the elements";
  for(int i=0;i<3;i++)
  cin>>a[i];
  cout<<"in forward order"<<" ";
  for(int i=0;i<3;i++)
  cout<<a[i];
  cout<<"\nin reverse order"<<" ";
  for(int i=2;i>=0;i--)
  cout<<a[i];
}

```

C:\Users\hp\Desktop\333.exe X + v

```

enter the elements 1 2 3
in forward order 123
in reverse order 321
-----
Process exited after 2.867 seconds with return value 0
Press any key to continue . . .

```

Question 1

C:\Users\hp\Desktop\game night.cpp - Dev-C++ 5.11

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game night.cpp (*) game night.cpp

```
1  #include <iostream>
2  using namespace std;
3  int main() {
4      double entryFee = 200.0;
5      double snackCost = 100.0;
6
7      int numStudents;
8      cout << "How many students will attend the game night? (Maximum 15): ";
9      cin >> numStudents;
10
11     for (int i = 0; i < numStudents; ++i) {
12         string studentName;
13         cout << "Enter name for student " << i + 1 << ": ";
14
15         cin >> studentName;
16         double totalCost = entryFee + snackCost;
17         cout << "Student " << i + 1 << ": " << studentName << ", Total Cost: " << totalCost << endl;
18     }
19
20     return 0;
21 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\hp\Desktop\game night.exe
- Output Size: 1.83309745708574 MiB
- Compilation Time: 1.11s

Line: 21 Col: 2 Sel: 0 Lines: 21 Length: 555 Insert Done parsing in 0.047 seconds

Search

hp\Desktop\game night.cpp - [Executing] - Dev-C++ 5.11

Search View Project Execute Tools AStyle Window Help



C:\Users\hp\Desktop\game n X + v

How many students will attend the game night? (Maximum 15): 3

Enter name for student 1: nisa

Student 1: nisa, Total Cost: 300

Enter name for student 2: mahnoor

Student 2: mahnoor, Total Cost: 300

Enter name for student 3: maheen

Student 3: maheen, Total Cost: 300

Process exited after 33.34 seconds with return value 0

Press any key to continue . . . |

Output last quest



Search

Question 3

```
#include <iostream>
using namespace std;
int main()
{
    double ticketPrice = 500.0;
    double popcornPrice = 200.0;

    int numUsers;
    cout << "How many users attend the event? (Maximum 10): ";
    cin >> numUsers;

    double totalCost = 0;

    for (int i = 0; i < numUsers; ++i) {
        string userName;
        cout << "Enter name for user " << i + 1 << ": ";
        cin >> userName;
        totalCost += ticketPrice + popcornPrice;
        cout << "User " << i + 1 << ": " << userName << endl;
    }

    cout << "\nTotal Cost for all users: " << totalCost << endl;
    return 0; }
```

C:\Users\hp\Desktop\qawall: X



How many users attend the event? (Maximum 10): 3

Enter name for user 1: Nisa

User 1: Nisa

Enter name for user 2: mahnoor

User 2: mahnoor

Enter name for user 3: maheen

User 3: maheen

Total Cost for all users: 2100

Process exited after 25.44 seconds with return value 0

Press any key to continue . . .

Output quest 3

C:\Users\hp\Desktop\transpose.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help



qawali.night.cpp game.night.cpp transpose.cpp

```
1  #include<iostream>
2  using namespace std;
3  int main() {
4
5      int n;
6      cout << "Enter the size of the square matrix: ";
7      cin >> n;
8      int matrix[n][n];
9      cout << "Enter the elements of the matrix: " << endl;
10     for (int i = 0; i < n; i++) {
11         for (int j = 0; j < n; j++) {
12             cin >> matrix[i][j];
13         }
14     }
15     cout << "actual Matrix: " << endl;
16     for (int i = 0; i < n; i++) {
17         for (int j = 0; j < n; j++) {
18             cout << matrix[i][j] << " ";
19         }
20         cout << endl;
21     }
22
23     cout << "Transposed Matrix: " << endl;
24     for (int i = 0; i < n; i++) {
25         for (int j = 0; j < n; j++) {
26             cout << matrix[j][i] << " ";
27         }
28         cout << endl;
29     }
30
31     return 0;
32 }
```

Question 2

Compiler Resources Compile Log Debug Find Results

Line: 15 Col: 20 Set: 0 Lines: 32 Length: 764

Insert

Done parsing in 0



obals)

ame night.cpp transpose.cpp

ostream>

space std;

{

< "Enter the size of the square matrix: 3

n;
Enter the elements of the matrix:[n][r
1 2 3< "Enter
4 5 6

int i

or (i

7 8 9

cin

actual Matrix:

1 2 3

<< "ad
4 5 6

int i

or (i

cou

Transposed Matrix:

1 4 7

2 5 8

3 6 9

Resource
tion
Press any key to continue . . . |

ler paths

Col: 20

Output question 2