```
1 #include<iostream>
 2 #include<string>
 3 #include<iomanip>
 4 using namespace std;
 6 int RandomNumber(int From, int To)
 7 {
 8
        //Function to generate a random number
 9
        int randNum = rand() % (To - From + 1) + From;
10
        return randNum;
11 }
12 void FillMatrixWithRandomNumbers(int arr[3][3], short Rows, short Cols)
13 {
        for (short i = 0; i < Rows; i++)
14
15
        {
16
            for (short j = 0; j < Cols; j++)
17
18
                arr[i][j] = RandomNumber(1, 100);
19
20
        }
21 }
22
23 void PrintMatrix(int arr[3][3], short Rows, short Cols)
24 {
25
26
        for (short i = 0; i < Rows; i++)</pre>
27
28
            for (short j = 0; j < Cols; j++)
29
            {
                                                   arr[i][j] << "
30
                cout
                         <<
                                 setw(3)
                                           <<
31
32
                             "\n";
            cout
                     <<
33
        }
34 }
35
36 int RowSum(int arr[3][3], short RowNumber, short Cols)
37 {
38
        int Sum = 0;
39
40
        for (short j = 0; j <= Cols - 1; j++)</pre>
41
42
            Sum += arr[RowNumber][j];
43
44
        return Sum;
45 }
46
47
   void PrintEachRowSum(int arr[3][3], short Rows, short Cols)
48
        cout << "\nThe the following are the sum of each row in the matrix:\n"; →</pre>
49
50
        for (short i = 0; i < Rows; i++)</pre>
51
            cout << " Row " << i + 1 << " Sum = " << RowSum(arr, i, Cols) <</pre>
52
```

```
end1;
53
       }
54 }
55
56 int main()
57 { //Seeds the random number generator in C++, called only once
        srand((unsigned)time(NULL)); int arr[3][3];
       FillMatrixWithRandomNumbers(arr, 3, 3);
59
60
       cout<< "\nThe following is a 3x3 random matrix:\n";</pre>
61
62
       PrintMatrix(arr, 3, 3);
       PrintEachRowSum(arr,3,3);
63
64
       system("pause>0");
65
66 }
```