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Question 1:
 #include <iostream>
 #include <string>
 using namespace std;
 int main()
     int size = 7; //changed size to 7
     //cannot init array during run time
     double scores [7] = \{85.4, 90.3, 100, 89, 74.5, 95.0, 82.3\};
     double sum = 0;
     for(int i = 0; i < size; i++)
     {
          sum += scores[i];
     int avg = sum / size; //changed 6.0 to size
     cout << "Average == " << avg << endl;
     return 0;
 }
Question 2:
 #include <iostream>
 using namespace std;
 // Function to calculate the transpose of a matrix
 void transposeMatrix(int matrix[][3], int n, int m)
 {
      for (int i = 0; i < n; i++)
          for (int j = i + 1; j < m; j++)
          {
              int temp[n][m]; //must define matrix before used
              temp[i][j] = matrix[i][j];
              matrix [i][j] = matrix [j][i];
              matrix [ j ] [ i ] = temp [ i ] [ j ];
          }
     }
 }
 int main()
     const int rows = 3;
     const int cols = 3;
```

```
int originalMatrix[rows][cols] =
          \{1, 1, 1\},\
          \{2, 2, 2\},\
          \{3, 3, 3\}
      };
      // Calculate the transpose matrix using the function
      transposeMatrix (original Matrix, rows, cols); //pass by reference
      // Display the transpose matrix
      cout << "Transpose Matrix:" << endl;</pre>
      for (int i = 0; i < rows; i++)
          for (int j = 0; j < cols; j++)
              //cout original matrix
              cout << originalMatrix[i][j] << "-";</pre>
          cout << endl;</pre>
      }
      return 0;
 }
Question 3:
 #include <iostream>
 using namespace std;
 int main()
 {
      int N = 4; //N = 4
      //changed array type to string
      string item[] = {"book", "pen", "pencil", "eraser"};
      //p\,rin\,ting\ all\ the\ items
      for (int i = 0; i < N; i++)
      {
          //changed index in item to i
          cout << "The item list has" << item[i] << endl;</pre>
      return 0;
 }
```

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Question 4:
 #include <iostream>
 #include <string>
 using namespace std;
 int main()
      const int N = 6;
      string \ animals [N] = \{"lion", "cat", "bear", "dog", "elephant", "fox"\};
      for (int i = 0; i < N; i++)
          if (animals[i].length() = 4) //changed location of [i]
               cout << animals[i] << endl;</pre>
      }
      \textbf{return} \quad 0\,;
 }
Question 5:
  5.a
declare function matrixSum that takes two integer matricies a, b
declare an integer matrix temp of size 2, 3
set temp to a+b
set a to temp
end
declare main function
declare matrix m1 of size 2, 3
declare matrix m2 of size 2, 3
output "Enter values for matrix 1, one row at a time:"
take input into matrix m1
 #include <iostream>
 #include <string>
 using namespace std;
 void matrixSum(int a[2][3], int b[2][3]){
      for (int i = 0; i < 2; i++){
          for (int j = 0; j < 3; j++){
               int temp[2][3];
               temp[i][j] = a[i][j]+b[i][j];
               a[i][j] = temp[i][j];
          }
      }
```

```
}
int main()
    int m1[2][3];
    int m2[2][3];
    cout << "Enter-values-for-matrix-1,-one-row-at-a-time:" << endl;</pre>
    cin >> m1[0][0];
    cin >> m1[0][1];
    cin >> m1[0][2];
    cin >> m1[1][0];
    \ cin >> \ m1[1][1];
    cin >> m1[1][2];
    cout << "Enter-values-for-matrix-2, one-row-at-a-time:-" << endl;</pre>
    cin >> m2[0][0];
    cin >> m2[0][1];
    cin >> m2[0][2];
    cin >> m2[1][0];
    cin >> m2[1][1];
    cin >> m2[1][2];
    matrixSum(m1, m2);
    cout << "The sum is: " << endl;</pre>
    for (int i = 0; i < 2; i++){
         for (int j = 0; j < 3; j++){
             cout << m1[i][j] << "-";
         cout << " \backslash n" \;;
    }
}
```

coding telephone:

there was not enough time for everyone to do their part of the code. below is the code from James Benish-Kingsbury, the last person to do it in our group.

```
void suggestActivity(string[] ,int num );
cout << "Day" << num << arr[num] << endl;
int main()
int integer = 3;
string type;</pre>
```