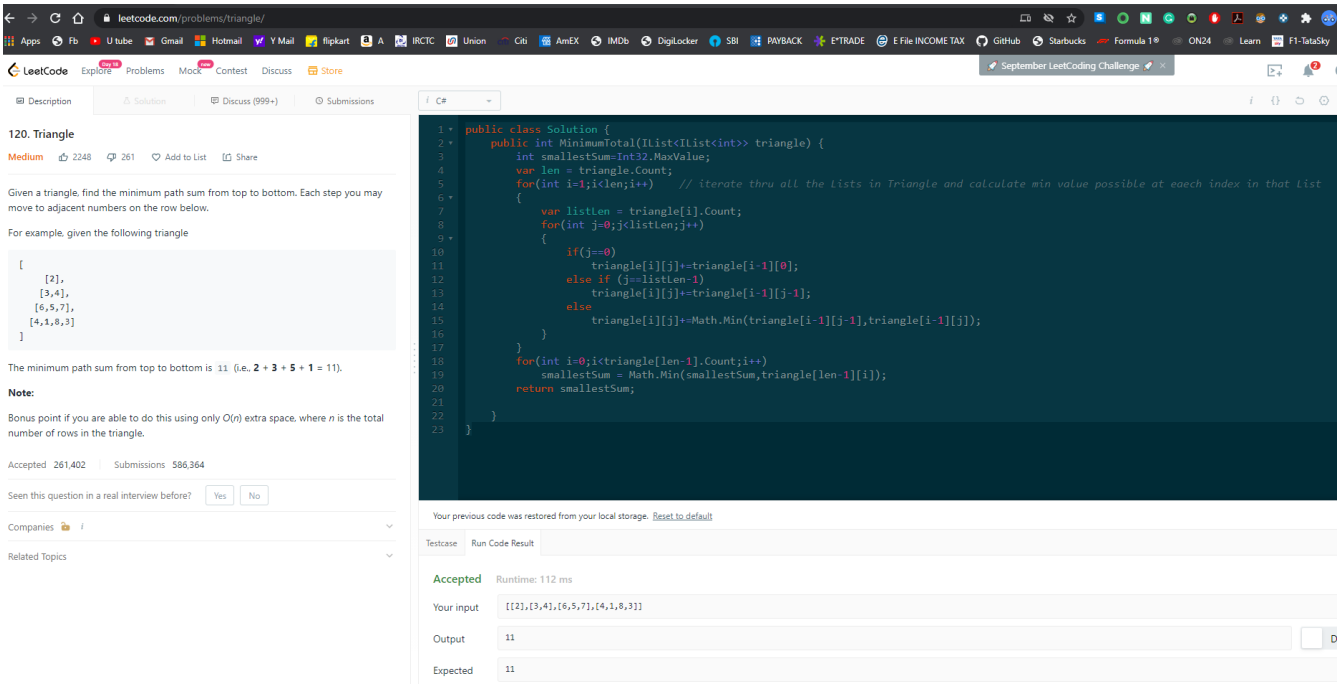
// https://leetcode.com/problems/triangle/




```
public class Solution {
    public int MinimumTotal(IList<IList<int>> triangle) {
        int smallestSum=Int32.MaxValue;
        var len = triangle.Count;
        for(int i=1;i<len;i++)    // iterate thru all the Lists in Triangle and calculate min value possible at eaech index in that List
        {
            var listLen = triangle[i].Count;
            for(int j=0;j<listLen;j++)
            {
                if(j==0)
                    triangle[i][j]+=triangle[i-1][0];
                else if (j==listLen-1)
                    triangle[i][j]+=triangle[i-1][j-1];
                else
                    triangle[i][j]+=Math.Min(triangle[i-1][j-1],triangle[i-1][j]);
```

```
        }
      }
      for(int i=0;i<triangle[len-1].Count;i++)
        smallestSum = Math.Min(smallestSum,triangle[len-1][i]);
      return smallestSum;

  }
}
```

Success Details ›

Runtime: 96 ms, faster than 92.00% of C# online submissions for Triangle.

Memory Usage: 24.8 MB, less than 18.00% of C# online submissions for Triangle.

Next challenges:

Super Washing Machines | Numbers At Most N Given Digit Set | Count All Valid Pickup and Delivery Options

Show off your acceptance:

Time Submitted	Status	Runtime	Memory	Language
09/18/2020 23:23	Accepted	96 ms	24.8 MB	csharp
09/18/2020 22:55	Wrong Answer	N/A	N/A	csharp
09/18/2020 22:48	Runtime Error	N/A	N/A	csharp
09/18/2020 22:29	Wrong Answer	N/A	N/A	csharp