Marwadi University	**Marwadi University** **Faculty of Technology** **Department of Information and Communication Technology**	
Sem : 6	**Name : Pushti Depani**	
Day : 113	**Date : 3/2/2023**	**Enrollment No: 92000133018**

CP Club 365 Days Challenge

Programming language – Any language

Problem Statement

https://practice.geeksforgeeks.org/problems/spirally-traversing-a-matrix-1587115621/1?page=1&status[]=unsolved&curated[]=1&sortBy=submissions

https://github.com/Pushti18/CP-Club-100-onwards-

Your Code:

Output (Screen Shot):

```
public:
   //Function to return a list of integers denoting spiral traversal of matrix.
   vector<int> spirallyTraverse(vector<vector<int> > matrix, int r, int c)
   {
      // code here
      int ans=0;
      int total = r*c;
      int count = 0;

      int SCol = 0;
      int SRow = 0;
      int ECol = col-1;
      int ERow = row-1;
      while(count < total){
         /* print first row */
      for(int i = SCol; index <= ECol && count < total; ++){
```

```
        ans.push_back(matrix[SRow][i]); // 1 2 3
        count++;
    }
    SRow++;  //  strrow =  1

    /* print last column */
    for(int i = SRow; i<= ERow && count < total; i++){
        ans.push_back(matrix[i][ECol]); // 1 2 3 --> 6 9
        count++;
    }
    ECol--; // endcol =
    return

}
```

Understanding about problem:

In this problem we will first print the first column and then add the row and then print the last column and add that. Then we have to print the last row backwards and then – that row to do the traversing. And then print the first column backwards and then add that column and do traversing.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

Team CP Club