MD NAHIDUL HOQUE NIRAB 2018100000023

Assignment#4 - Path Count Problem Implementation using Dynamic Programming in any of your preferred Programming Language (C/C++/Java)

Code:

#include<iostream>

#include<bits/stdc++.h>

using namespace std;

int main()

{

int row,col;

cout<<"Enter Row and Column of the matrix\n";

cout<<"enter Row= ";

cin>>row;

cout<<"enter column= ";

cin>>col;

int matrix[row][col];

for(int i=0;i<row;i++)

{

for(int j=0;j<col;j++)

{

if(i==0 || j==0)

{

matrix[i][j]=1;

}

else

{

matrix[i][j]=matrix[i-1][j]+matrix[i][j-1];

}

}

}

for(int i=0;i<row;i++)

{

for(int j=0;j<col;j++)

{

cout<<matrix[i][j]<<" ";

}

cout<<endl;

}

cout<<"\nThe possible Ways to reach there is = "<<matrix[row-1][col-1];

return 0;

}

Output:

