GFG - Adding two matrices

I/P: A[][] = { {1,2,3},
{4,5,6} }

Output: 2 5 6 6 8 9

B[][] = { {1,3,3},
{2,3,3} }

thought :→ 2 matrices can only be added when their size is same, (no. of rows & no. of columns both).

→ If size is same, then further:
we will initialize a zero matrix of same size.
then just iterating over & adding A[i][j]+B[i][j]

code :→

```
if (A.size() != B.size() || A[0].size() != B[0].size())
        return {};

int rows = A.size();
int cols = A[0].size();
vector<vector<int>> ans (rows, vector<int>(cols, 0));
for ( i=0 → rows)
    for ( j=0 → cols)
        ans[i][j] = A[i][j] + B[i][j];

return ans;
```