

```

#include<stdio.h>

int M,N;
int m,n;

int main()
{
    int flag,p,q;
    printf("\nEnter the number of element in larger matrix M*N:");
    scanf("%d%d",&M,&N);
    printf("\nEnter the number of element in smaller matrix:");
    scanf("%d%d",&m,&n);
    int l[M][N];
    int s[m][n];
    //large matix
    int i,j;
    printf("Enter larger matrix\n");
    for(i=0;i<M;i++)
        for(j=0;j<N;j++)
            scanf("%d",&l[i][j]);
    //small matrix
    printf("Enter smaller matrix\n");
    for(i=0;i<m;i++)
        for(j=0;j<n;j++)
            scanf("%d",&l[i][j]);

    for(i=0; i<=(M-m); i++)
    {
        for(j=0; j<=(N-n); j++)
        {
            flag=0;
            for(p=0; p<m; p++)
            {
                for(int q=0; q<n; q++)
                {
                    if(l[i+p][j+q] != s[p][q])
                    {
                        flag=1;
                        printf("\nflag==1");
                        break;
                    }
                }
            }
            if(flag==0)
            {
                printf("Match Found in the Main Matrix at starting location %d, %d",
(i+1) ,(j+1));
                break;
            }
        }
        if(flag==0)
        {
            printf("Match Found in the Main Matrix at starting location %d, %d",(i+1) ,
(j+1));
            break;
        }
    }
}

```

```
}  
if(flag==1)  
    printf("Match not found!");  
  
return 0;  
}
```