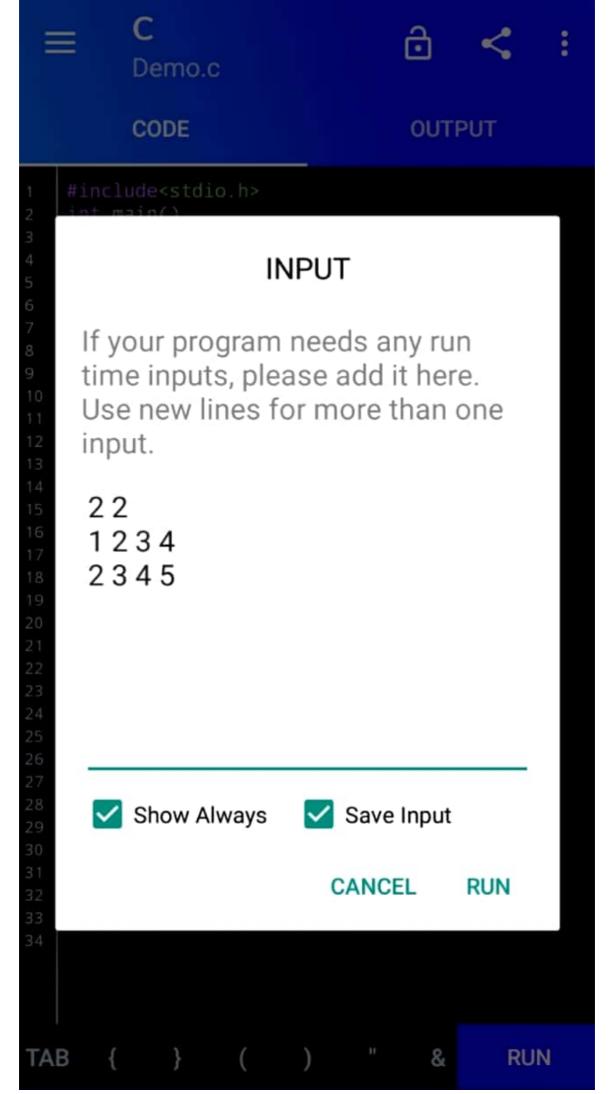
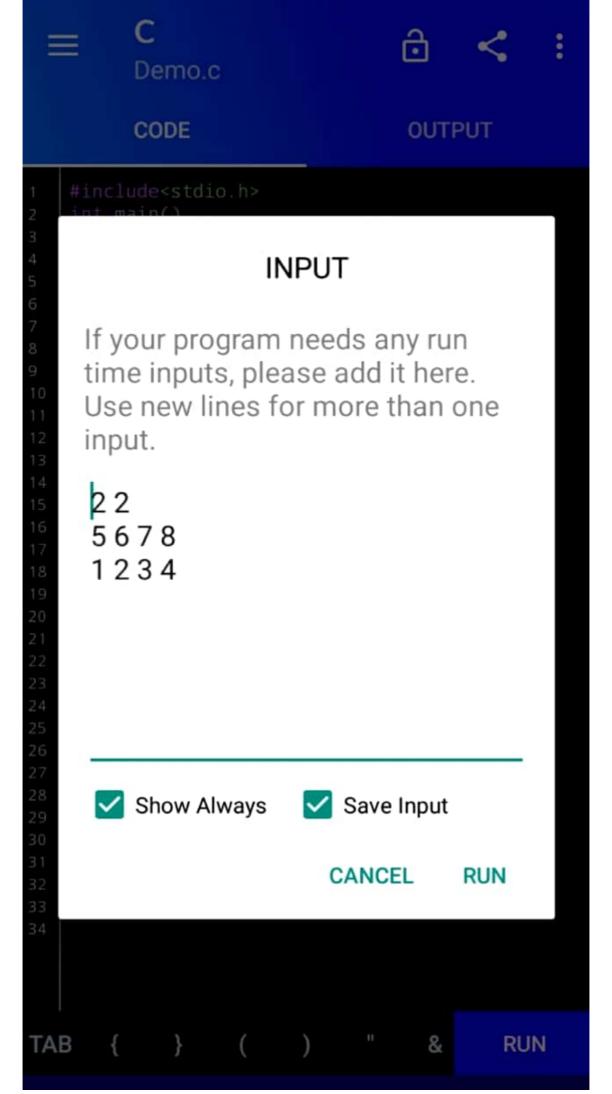
```
#include<stdio.h>
    int main()
2
3
    {
4
      int m,n;
      scanf("%d%d",&m,&n);
5
      int i,j;
6
      int mat1[m][n],mat2[m][n],mat3[m][n];
7
      for(i=0;i<m;i++)
8
      {
9
         for(j=0;j<n;j++)
10
         scanf("%d",&mat1[i][j]);
11
12
      for(i=0;i<n;i++)
13
      {
14
         for(j=0;j<n;j++)
15
         scanf("%d", &mat2[i][j]);
16
17
      for(i=0;i<m;i++)
18
      {
19
         for(j=0;j<n;j++)
20
21
           mat3[i][j]=mat1[i][j]+mat2[i][j];
22
23
24
      for(i=0;i<m;i++)
25
26
         for(j=0;j<n;j++)
27
         printf("%d",mat3[i][j]);
28
         printf("\n");
29
30
      return 0;
31
    }
32
33
34
```





```
#include<stdio.h>
2
    int main()
3
    {
      int m,n;
4
5
      scanf("%d%d", &m, &n);
6
      int i,j;
7
      int mat1[m][n], mat2[m][n], mat3[m][n];
8
      for(i=0;i<m;i++)
      {
9
         for(j=0;j<n;j++)
10
         scanf("%d", &mat1[i][j]);
11
      }
12
      for(i=0;i<n;i++)
13
      {
14
        for(j=0;j<n;j++)
15
         scanf("%d", &mat2[i][j]);
16
17
      for(i=0;i<m;i++)
18
19
      {
        for(j=0;j<n;j++)
20
21
         {
           mat3[i][j]=mat1[i][j]-mat2[i][j];
22
23
24
      for(i=0;i<m;i++)
25
26
        for(j=0; j<n; j++)
27
         printf("%d", mat3[i][j]);
28
         printf("\n");
29
30
      return 0;
31
    }
32
33
34
```



Name ?- Poojo R Tolekor USN:- 4AL19CSD62

White a c program to implement matorix addition and Substitution.

Algorithum of Matorix Additions-

Step 1 . Start

Step 2? Input the order of matorise

step3: Input maturis 1 elements

Step 4? Input matorix & elements

Step 5: Repeat form 1=0 toens 1)

step 6 ? Repeat forom J=0 to n

Step 7: most 3[P)[]]= most a [P)[]) most a [P)[]

Eters: pornt mat 3

Step 9%- Stop.

Algorithum for Matorix Substitution

Step 1: Stort

Step a? Input order of matorix

Step 3: Enput matorix I elements

Step 4 ? Enput moutofix à elements

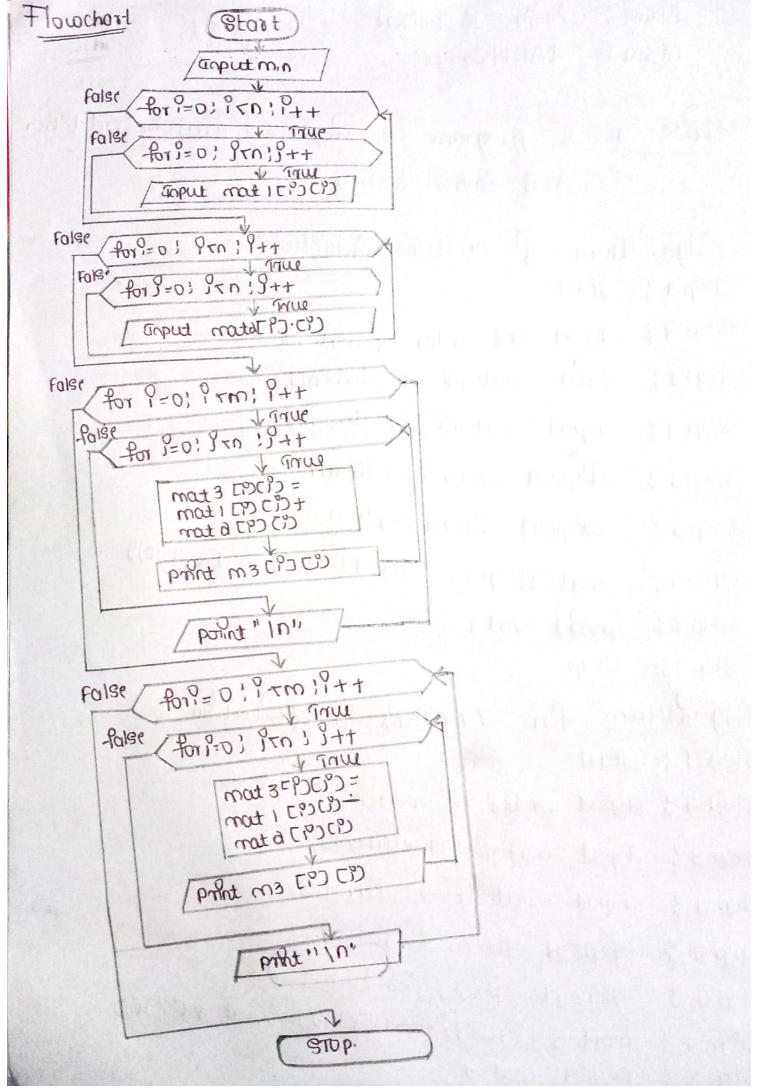
Steps: Repeat forom ?=0 ton

Step 6 & Repeat forom J=0 ton

Step 7 : mat 3 [17 [1] = mati[17 []) - mat 8 [7] [])

Step 8 ? porint mat 3

Step 9: Stop



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