Algorithm and flowchart for inputting and displaying the values of a matrix

**Algorithm**

1. Start
2. Initialize a,b,c,d,e,f,g,h,I,mattype
3. Display “Enter matrix type. 1 for 2\*2 matrix and 2 for 3\*3 matrix.”
4. Enter mattype.
5. Is mattype =1,if yes display “You are using 2\*2 matrix”
6. Enter values of a,b,c,d.
7. MatA = Num1=a,Num2=b, Num3=c, Num4=d

Display MatA

1. If no, display “You are using 3\*3 matrix”
2. Enter values of a,b,c,d,e,f,g,h,i.
3. MatA = Num1=a, Num2=b, Num3=c, Num4=d, Num5=e, Num6=f, Num7=g, Num8=h, Num9=i

Display MatA

1. Stop

Enter a,b,c,d,e,f,g,h,i

Enter a,b,c,d

Display “Matrix is 3\*3”

Display “Matrix is 2\*2”

Is mattype=1

Start

Enter mattype

Yes No

Stop

Display MatA=a,b,c,d,e,f,g,h

Display MatA=a,b,cd