**Algorithm and Flowchart for summing two matrices**

Algorithm

1. Start

2. Enter mattype, 1 for 2\*2 and 2 for 3\*3

3. Is mattype 1

4. If yes Enter a[2], b[2],c[2],d[2]

matsum = (Num1=a1+a2), (Num2=b1+b2), (Num3=c1+c2), (Num4=d1+d2)

5. If no Enter a[2], b[2],c[2],d[2],e[2],f[2],g[2],h[2],i[2]

matsum =(Num1=a1+a2), (Num2=b1+b2), (Num3=c1+c2), (Num4=d1+d2), (Num5=e1+e2), (Num6=f1+f2), (Num7=g1+g2), (Num8=h1+h2), (Num9=i1+i2)

6. Display matsum

7. Stop

**Flowchart**

Start

Stop

Display matsum

matsum =(Num1=a1+a2), (Num2=b1+b2), (Num3=c1+c2), (Num4=d1+d2), (Num5=e1+e2), (Num6=f1+f2), (Num7=g1+g2), (Num8=h1+h2), (Num9=i1+i2)

matsum = (Num1=a1+a2), (Num2=b1+b2), (Num3=c1+c2), (Num4=d1+d2)

Enter a[2], b[2],c[2],d[2],e[2],f[2],g[2],h[2],i[2]

Enter a[2], b[2],c[2],d[2],

Is mattype=1

Enter mattype