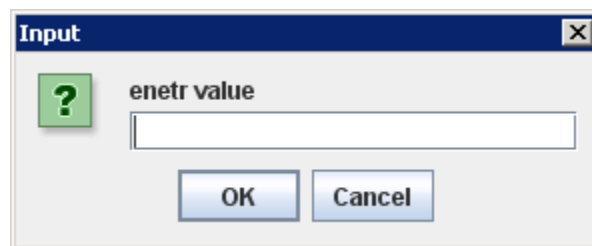


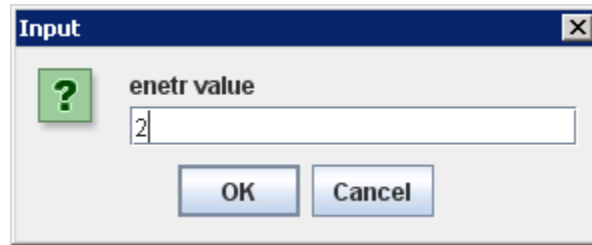
Create a 3*3 Matrix & Print The Diagonal Total.

```
import javax.swing.JOptionPane;
import java.lang.Integer;

class Diagonal
{
    public static void main(String args[])
    {
        int ar[][]=new int[3][3];
        int r,c,sum=0,som=0;
        String temp;
        System.out.println("enter nine input values");
        for(r=0;r<=2;r++)
        {
            for(c=0;c<=2;c++)
            {
                temp=JOptionPane.showInputDialog("enetr value");
                ar[r][c]=Integer.parseInt(temp);
            }
        }
        for(r=0;r<=2;r++)
        {
            for(c=0;c<=2;c++)
            {
                if(r==c)
```

```
    {  
        sum=sum+ar[r][c];  
    }  
    if((r+c)==2)  
    {  
        som=som+ar[r][c];  
    }  
}  
}  
for(r=0;r<=2;r++)  
{  
    for(c=0;c<=2;c++)  
    {  
        System.out.print(ar[r][c]+" ");  
    }  
    System.out.println();  
}  
System.out.println(sum);  
System.out.println(som);  
}  
}
```





```
C:\WINDOWS\system32\cmd.exe
Y:\javafiles>javac Diagnal.java
Y:\javafiles>java Diagnal
enter nine input values
2 3 4
6 7 8
9 4 5
14
20
Y:\javafiles>_
```