

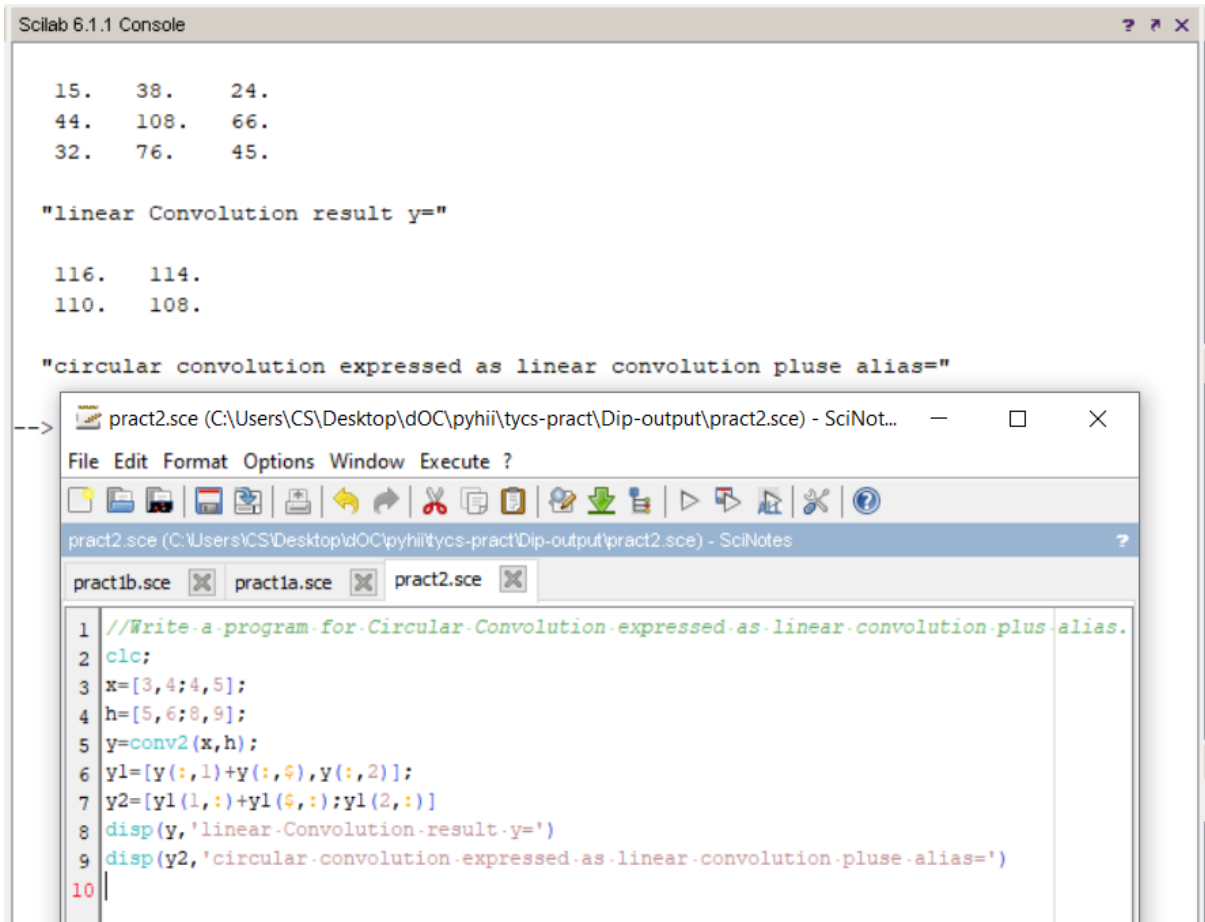
SEM-6-PRACTICALS-DIGITAL IMAGE PROCESSING**Circular Convolution expressed as linear convolution plus alias**

Code:-

```
//Write a program for Circular Convolution expressed as linear convolut
clc;
x=[3,4;4,5];
h=[5,6;8,9];
y=conv2(x,h);
y1=[y(:,1)+y(:,2),y(:,2)];
y2=[y1(1,:)+y1(2,:);y1(2,:)]
disp(y,'linear Convolution result y=')
disp(y2,'circular convolution expressed as linear convolution pluse ali
```



Output:-



```

Scilab 6.1.1 Console

15.    38.    24.
44.    108.   66.
32.    76.    45.

"linear Convolution result y="

116.   114.
110.   108.

"circular convolution expressed as linear convolution pluse alias="
-->
pract2.sce (C:\Users\CS\Desktop\dOC\pyhill\tycs-pract\Dip-output\pract2.sce) - SciNot...
File Edit Format Options Window Execute ?
pract2.sce (C:\Users\CS\Desktop\dOC\pyhill\tycs-pract\Dip-output\pract2.sce) - SciNotes
pract1b.sce X pract1a.sce X pract2.sce X
1 //Write a program for Circular Convolution expressed as linear convolution plus alias.
2 clc;
3 x=[3,4;4,5];
4 h=[5,6;8,9];
5 y=conv2(x,h);
6 y1=[y(:,1)+y(:,5),y(:,2)];
7 y2=[y1(1,:)+y1(5,:);y1(2,:)]
8 disp(y,'linear Convolution result y=')
9 disp(y2,'circular convolution expressed as linear convolution pluse alias=')
10

```

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Great Quotes

-> "The best way to predict the future is to create it."
-> To err is human, but to really foul things up you need a computer.
-> "Imagination is more important than knowledge."

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