```
% (1)Using matlab function
clear all;
x=input('enter the input signal');
lx=length(x);
h=input('enter the imulse signal');
hx=length(h);
x=[x,zeros(1,hx-1)]
y=fftoversav(h,x,lx)
subplot(3,1,1)
stem(x)
title('input signal');
subplot(3,1,2)
stem(h)
title('impulse signal');
subplot(3,1,3)
stem(y)
title('resultant signal');


%Without using direct function
clc;
x=input('enter ip');
x=[x,zeros(1,15)]
h=input('Enter the impulse signal')
m=length(h);
h=[h,zeros(1,10)]
l=input('Enter length of the block')
for n=1:m-1
a(n)=zeros(1,(m-1))
end
for n=1:l
a(n+m-1)=x(n)
end
for n=1:m-1
b(n)=a(l+n)
end
for n=1:l
b(n+m-1)=x(l+n)
end
for n=1:m-1
c(n)=b(l+n)
end
for n=1:l
c(n+m-1)=x(2*l+n)
end
p=cconv(a,h,l+m-1);
q=cconv(a,h,l+m-1);
r=cconv(a,h,l+m-1);
for i=1:l
y(i)=p(m-1+i);
y(i+L)=q(m-1+i);
y(2*L+i)=r(m-1+i);
end
disp(y)

lx=length(x);
```

```matlab
for l=lx+1:15
x(l)=0;
end
L=input('Enter length of the block')
for n=1:L-1
x1(n)=x(n);
x2(n)=x(n+L);
x3(n)=x(n+2*L);
end
h=input('Enter the impulse signal')
M=length(h);
for n=M+1:L+M-1
h(n)=0
end
for n=1:M-1
x1(n+L)=0;
x2(n+L)=0;
x3(n+L)=0;
end
y1=cconv(x1,h,L+M-1);
y2=cconv(x2,h,L+M-1);
y3=cconv(x3,h,L+M-1);
for n=1:L
y(n)=y1(n);
end
for n=1:M-1
y(n+L)=y1(n+L)+y2(n);
end
for n=1:L-M+1
y(L+M-1+n)=y2(n);
end
for n=1:M-1
y(2*L+n)=y2(L+n)+y3(n);
end
for n=1:L
y(2*L+M-1+n)=y3(M-1+n);
end
disp(y)
```