

```
%Direct method for Arbitrary line
clc;close all;clear all
x1=input('Enter x-start value: ');
y1=input('Enter y-start value: ');
x2=input('Enter x-end value : ');
y2=input('Enter y-end value : ');
axis([0 100 0 100]);
hold on
dx=x2-x1;
dy=y2-y1;
m=dy/dx;
b= y1-m * x1 ;
i=0;
for x=x1:sign(dx):x2
    y= m *x + b ;
    plot (x , y , 'bx');
    i=i+1;
end
```