

```
%Diagnol line
%using matrix
clc;
clear all;close 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 : ');
i=0;
j=1;
while (x1+i)<=x2
    a(j)=x1+i;
    g(j)=y1+i;

    i=i+1;
    j=j+1;
end
axis([0 100 0 100]);
hold on
plot (a,g, '--bo')
```