

```
%Diagnol line
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;
axis ([0 100 0 100])
hold on

while (x1+i)<=x2
    plot (x1+i,y1+i,'b*')
    i=i+1;
end
```