AIM:

Create Visual analysis for the given data set using Matlab.

CODE:

x=[1,2,3,4,5];

y=[1,4,9,16,25];

average\_1=mean(x);

average\_2=mean(y);

z\_1=x-average\_1;

z\_2=y-average\_2;

new\_mul=z\_1.\*z\_2;

numerator=sum(new\_mul);

z\_3=z\_1.\*z\_1;

denominator=sum(z\_3);

slope=numerator/denominator;

c=average\_2-(slope\*average\_1);

plot(x,y)

PROGRAM CODE:

