x=input("Enter the values of x:");

y=input("Enter the values of y:");

X=input("Enter the value of X:");

n=length(x);

Y=0;

for i=1:n

L=1;

for j = 1:n

if i ~= j

L= L\*(X - x(j))/(x(i)-x(j));

end

end

Y=Y+L\*y(i);

end

disp(Y);