f = inline('(x^2)/(y^2 + 1)');

x1 = input('Enter the value of X1 = ');

y1 = input('Enter the value of Y1 = ');

xn = input('Enter the value of Xn = ');

h = input('Enter the value of h = ');

while x1 < xn

y1 = y1 + h\*f(x1,y1);

x1 = x1 + h;

fprintf('The value of X and Y = %f %f\n',x1,y1)

end

%OUTPUT

Enter the value of X1 = 0

Enter the value of Y1 = 0

Enter the value of Xn = 1

Enter the value of h = 0.25

The value of X and Y = 0.250000 0.000000

The value of X and Y = 0.500000 0.015625

The value of X and Y = 0.750000 0.078110

The value of X and Y = 1.000000 0.217882