

```
%Name - Shriman Zunjarrao Patil
% Roll No. - TYMEB209
% Batch - B4

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
```