

# Rasterization: Polygon

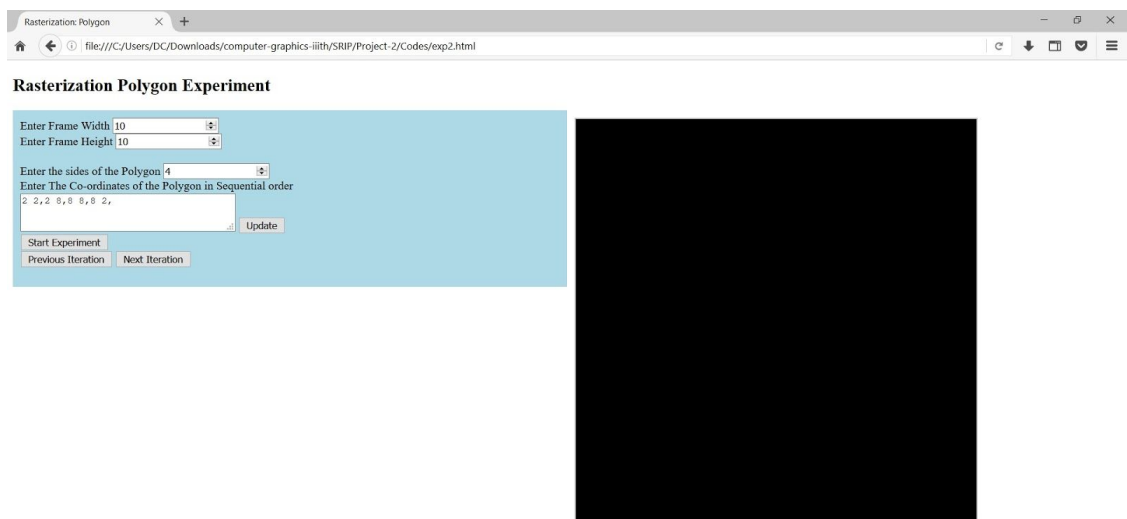
## Experiment Procedure Documentation

### Introduction

This document contains the instructions to run the simulation.  
Follow the Above Steps and Instructions.

### Instructions

1. To run the experiment, simply run the exp2.html file by clicking on it and the experiment will open in the browser.



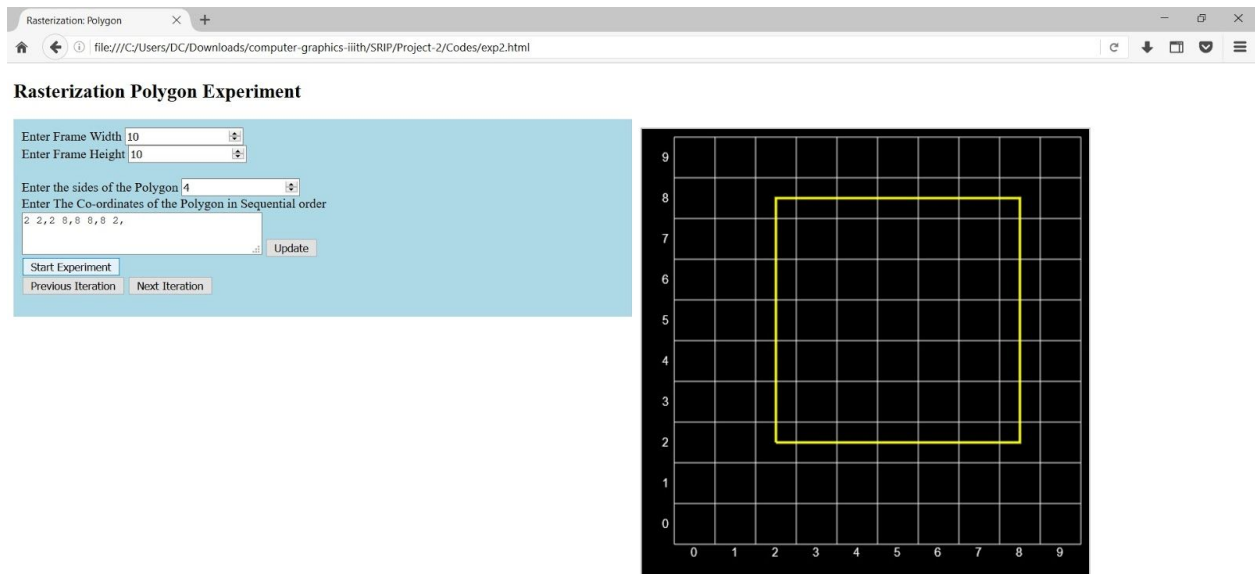
### 2. Enter The Required Fields

- Frame Height (Min. value 1 to Max. value 25)
- Frame Width (Min. value 1 to Max. value 25)
- Polygon Sides (Between 3 to 10)
- Polygon Coordinates in the format x1 y1,x2 y2,

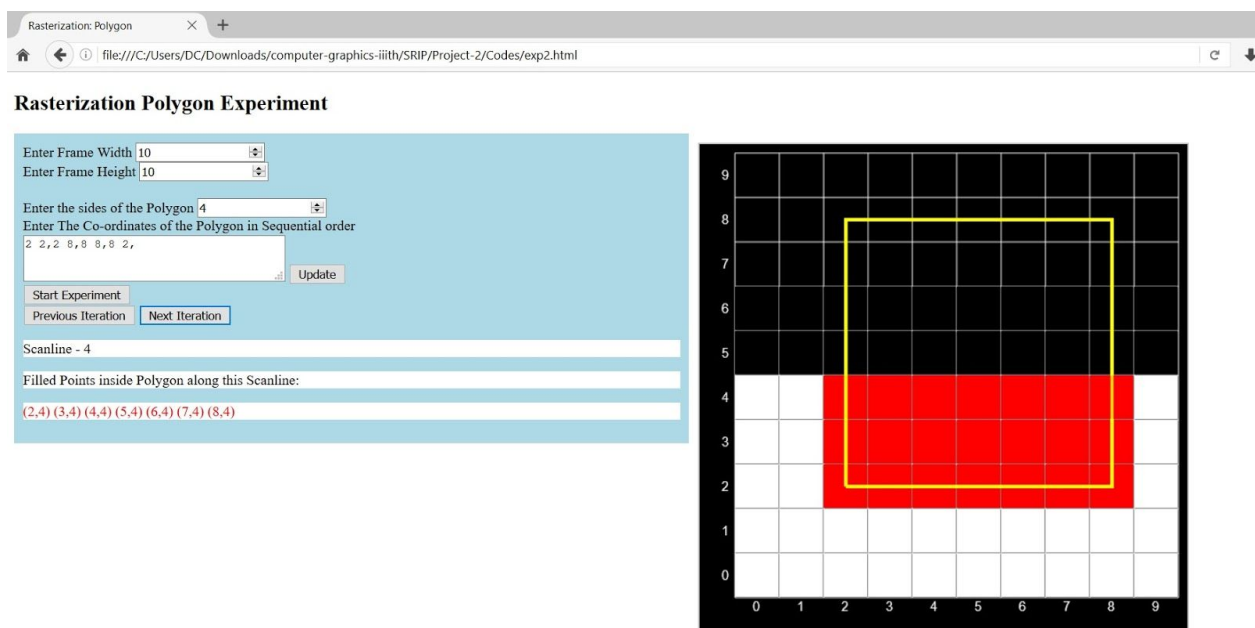
### Rasterization Polygon Experiment

A detailed view of the input fields in the 'Rasterization Polygon Experiment' interface. The fields are arranged vertically on a light blue background. The first two fields are 'Enter Frame Width' and 'Enter Frame Height', both with a value of 10. The third field is 'Enter the sides of the Polygon' with a value of 4. The fourth field is a text area for 'Enter The Co-ordinates of the Polygon in Sequential order' containing the text '2 2, 2 8, 8 8, 8 2,'. To the right of the text area is an 'Update' button. Below the text area are three buttons: 'Start Experiment', 'Previous Iteration', and 'Next Iteration'.

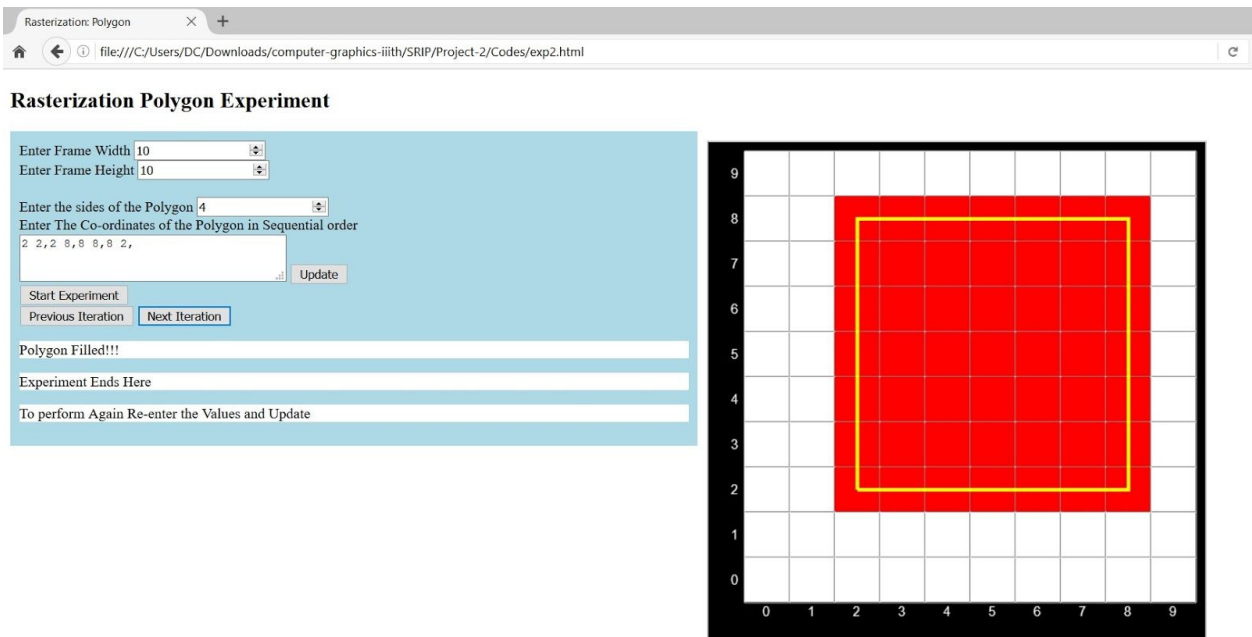
3. After Properly Entering the Values Click on Start Experiment You'll See the Grid and Polygon In the Black Area.



4. Then Click on Next Iteration to continue filling the Polygon Along the scanline  
Click On Previous Iteration To go back one Scanline.



## 5.The Experiment Will End after It has Gone Through all the Scanlines



6. To perform again enter the new values and click on update.