**JAVASCRIPT WEEKLY PROJECTS**

1.Project Name: **Ball Simulation**

**Description**

In Ball simulation a ball is made to move in vertical direction in fixed velocity

#### Steps to Run the Project

Open the GitHub link to run the simulation ball movement program

#### Future Improvements

This Project can be further enhanced by creating an animation like when the ball hits the edge of the axis the color of the ball should change

**Link**: <https://github.com/Roselinejenifer/week2.1>

2.Project Name: **Graphic Animation of the Random Walk Exercise**

**Description**

The random walk makes a three ball to bounce between a fixed location in different velocity

#### Steps to Run the Project

Open the GitHub link to run the Random walk program

#### Future Improvements

This Project can be further enhanced by adding special effects like when the balls hits its target the shape of the balls should change

**Link:** <https://github.com/Roselinejenifer/week3.1>

1. Project Name:**Pac-man Movement Exercise**

**Description**

In Pac-man Movement Exercise the pacman is made to move is fixed direction and with a fixed velocity

#### Steps to Run the Project

Press the GitHub link to run the simulation scheduler

#### Future Improvements

This Project can be further enhanced by adding direction and effects

**Link:** [https://github.com/Roselinejenifer/week4.1]( https:/github.com/Roselinejenifer/week4.1)

1. Project Name:**Walk Boston Data Coding Exercise**

**Description**

The walk Boston shows the top five earning employees and the details of the employees

#### Steps to Run the Project

Press the GitHub link to open the Boston data

#### Future Improvements

This Project can be further enhanced by creating a top five earning employees with their position and percentage

**Link:**<https://github.com/Roselinejenifer/week-5.1>

1. Project Name: **Find the most Common word Exercise**

**Description**

The word count is a program to check the most repeated words in a paragraph and to the display most commonly repeated three words in console

#### Steps to Run the Project

Press Ctrl + Shift + I (or) right click the mouse and click inspect to open console

#### Future Improvements

This Project can be further enhanced by checking most repeated alphabetic

**Link:**<https://github.com/Roselinejenifer/week-6>

1. Project Name: **PacMen Factory Exercise**

**Description**

PAC-Man is an action maze chase video game, Here the pacman is made move in random direction and in random velocity

#### Steps to Run the Project

Click the add pacman button to add a new pacman to the screen. Click the start game button to make the pacman to move. On repetition click on the start game button will increase the velocity of the pacman

#### Future Improvements

This Project can be further enhanced by adding colors and effects to the pacman

**Link:** <https://github.com/Roselinejenifer/week-7>

1. Project Name: **Eye Movement Exercise**

**Description**

This Project has two eyes which follow the mouse movement. Both the eyes are synchronized to follow the directions of the mouse pointer. It looks like a person following the mouse. The mouse movement event is used to update the position of the "eye" element displayed on the page. Mouse events are a popular way to bind the DOM elements to events.

#### Steps to Run the Project

Move the mouse to observe the rotation of the eye.

#### Future Improvements

This Project can be further enhanced by adding effects and shapes to the eye

**Link:** [https://github.com/Roselinejenifer/week-8.1]( https:/github.com/Roselinejenifer/week-8.1)

1. Project Name: **Map Animation**

**Description**

In map animation we have a marker placed in MIT and travel to Harvard. The marker shows the stops between MIT and Harvard while it moves

#### Steps to Run the Project

Touch the marker to make it travel from MIT to Harvard

#### Future Improvements

This Project can be further enhanced by using pointing the name of the stops and effects to it

**Link:** [https://github.com/Roselinejenifer/week-9](")

1. Project Name:**Towers of Hanoi**

**Description**

Tower of Hanoi is a mathematical puzzle where we have three rods and n disks. The objective of the puzzle is to move the entire stack to another rod, obeying the following simple rules: Only one disk can be moved at a time.

#### Steps to Run the Project

Click make move button to create the Hanoi tower, then keep on click the make move button to solve the puzzle

#### Future Improvements

This Project can be further enhanced by adding 3d animation to the disk

**Link:**<https://github.com/Roselinejenifer/week10>