PART 1

1. GSAP used for animate elements

2. ScrollTrigger used for animate elements on basis of scrolling

properties of scrollTrigger

- **trigger:** 'select element you wants to trigger',

-**scroller:** " body most of the times",

-**start** : "animation start point",

-**end**: "animation end point",

-**markers** : " Boolean" -helps us to make perfect animtion we can remove it later,

-**scrub**: "Boolean or any no. between 1-5" -to make animation back and forth,

-**pin** : pin the page while animating elements

\*\* note: while using pin property make sure tri

PART 2

Scalable vector Graphic (SVG) - used to make 2D graphics

svg : treated like a container and it has attributes height and width,

path : child of svg element , it can be used to create Lines, Curves, Arcs and more.

- stroke : "color" => attribute used to provide color to the line or path

- d : "commands and parameters " => attribute contains series of commands and parameter used by these commands.

example:

<svg width="500" height="200">

<path d="M x y Q x1 y1 x2 y2" stroke="black" fill="transparent" />

</svg>

=> here

- M : "move to" command

- x : x axis coordinate ,

- y : y axis coordinate

Curves => in path curves are two types CUBIC CURVE and QUADRATIC CURVES

- C : used for cubic curve => it is complex and it has two control points

- Q : used for Quadratic curve => it is simple than cubic and it has one control point

GSAP property -------------------------------------------------------------------------------------

- attr : {key: value} => used to manipulate attributes of html element, it contains value as object in which key is attribute itself and value is value of attribute.

- ease : used for provide easing to element , there are multiple predefined easing functions you can check out on GSAP official website

YOU CAN use {ease : "elastic.out(1, 0.2)"} which is predefined easing function to animate like guitar string

gger must be parent element