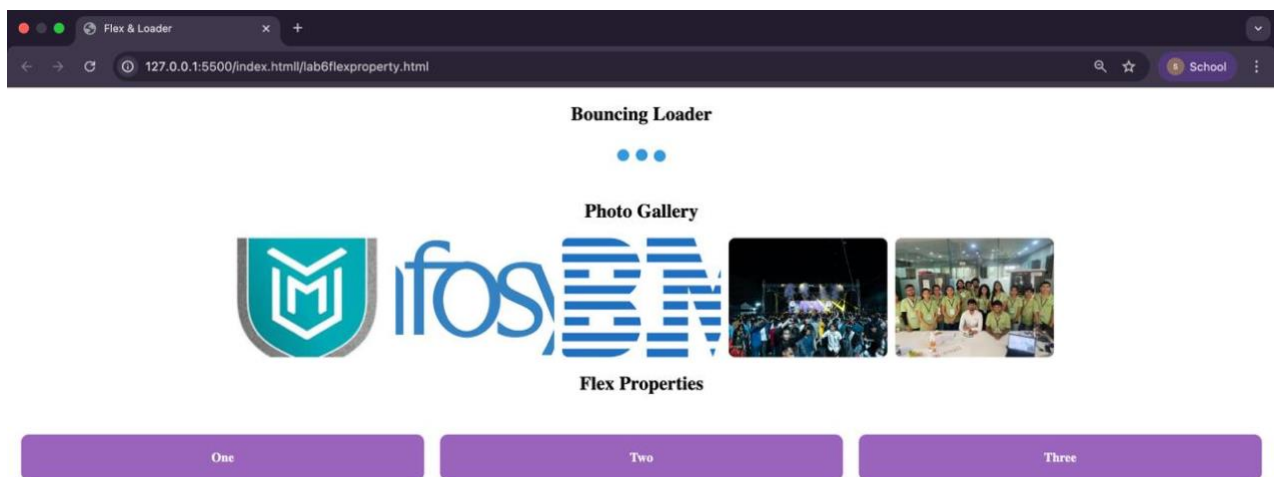# Lab#6: a. Using HTML, CSS create a bouncing loader animation. b. Create photo gallery with CSS Flex. c. Apply Flex property on flex container and flex child

TAGS USED	ATTRIBUTES USED	DESCRIPTION
<HTML>	--	The root element of the page. Wraps all your html content.
<HEAD>	--	Contains metadata like title, links to stylesheets, scripts— nothing visible on the page itself.
<TITLE>	--	Sets the title shown in the browser tab. Goes inside
<BODY>	--	Holds all the visible content— text, images, tables, etc.
<H4>	Align	Heading tag level 4
<TABLE>	Height, Width, Colspan, Rowspan, Cellpedding, Cell Spacing	Creates a table layout. Can include rows and columns.
<P> (PARAGRAPH)	Align	Paragraph tag. Automatically adds spacing before and after text blocks.
<TR>,<TD>	Align	Table row and table data(cell).
<HR> (HORIZONTAL RULES)	Width, Color,Align	Adds a horizontal rule (line) across the page. Useful for visual separation.
  (BREAK LINE)	--	Inserts a line break—like hitting enter once. Good for spacing within paragraphs.
<IMG>	Width, Align	Use for insert image

Final Outcome:

Code Snippet:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Flex & Loader </title>
```

```
<style>
.loader {
  display: flex;
  justify-content: center;
  gap: 8px;
  margin: 40px 0;
}
.loader div {
  width: 15px; height: 15px;
  background: #3498db;
  border-radius: 50%;
  animation: bounce 0.6s infinite alternate;
}
@keyframes bounce {
  to { transform: translateY(-10px); }
}
.loader div:nth-child(2){animation-delay:.2s}
.loader div:nth-child(3){animation-delay:.4s}

.gallery {
  display: flex; flex-wrap: wrap; gap: 10px;
  justify-content: center;
}
.gallery img {
  width: 200px; height: 150px;
  object-fit: cover;
  border-radius: 8px;
  transition: transform 0.2s, box-shadow 0.2s;
}
.gallery img:hover {
  transform: scale(1.05);
  box-shadow: 0 4px 16px rgba(52,152,219,0.3);
```

```css
}

@media (max-width: 600px) {
  .gallery img {
    width: 100px;
    height: 75px;
  }
  .container {
    flex-direction: column;
  }
}

.container {
  display: flex;
  justify-content: space-around;
  align-items: center;
  margin: 40px 0;
}
.box {
  flex: 1;
  margin: 10px;
  padding: 20px;
  background: rgb(155, 100, 188);
  text-align: center;
  border-radius: 10px;
  color: #fff;
  font-weight: bold;
}
</style>
</head>
<body>
<h2 style="text-align:center">Bouncing Loader</h2>
<div class="loader" role="status" aria-label="Loading">
  <div></div><div></div><div></div>
</div>
<h2 style="text-align:center">Photo Gallery</h2>
<div class="gallery">
```

```
<img src="mulogo.jpeg" alt="MU Logo">
<img src="infosys.png" alt="Infosys Logo">
<img src="ibm.webp" alt="IBM Logo">
<img src="CULMU.jpg" alt="CULMU Event">
<img src="HACKTHONIMG.avif" alt="Hackathon Image">
</div>
<h2 style="text-align:center">Flex Properties</h2>
<div class="container">
  <div class="box">One</div>
  <div class="box">Two</div>
  <div class="box">Three</div>
</div>
</body>
</html>
```