

```
<!DOCTYPE html>
<html>
<head>
    <title>Social Media Engagement Analysis</title>

    <style>
        body {
            font-family: Arial, sans-serif;
            background: linear-gradient(to right, #c77aa0, #83b1b4);
            padding: 30px;
        }

        h1 {
            text-align: center;
            margin-bottom: 30px;
        }

        .top {
            display: flex;
            justify-content: space-between;
            gap: 20px;
        }

        .box {
            width: 48%;
            background: white;
            padding: 20px;
            border-radius: 12px;
            box-shadow: 0 0 15px rgba(0,0,0,0.3);
            text-align: center;
        }

        .box img {
            width: 80px;
            margin-bottom: 10px;
        }

        input {
            width: 90%;
            padding: 8px;
            margin: 6px 0;
            border-radius: 5px;
            border: 1px solid #ccc;
        }
    </style>

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.bottom {  
    margin-top: 30px;  
    background: white;  
    padding: 25px;  
    border-radius: 12px;  
    box-shadow: 0 0 15px rgba(0,0,0,0.3);  
}  
  
button {  
    display: block;  
    margin: 15px auto;  
    padding: 10px 30px;  
    background-color: #ff416c;  
    border: none;  
    color: white;  
    font-size: 16px;  
    border-radius: 6px;  
    cursor: pointer;  
}  
  
button:hover {  
    background-color: #ff4b2b;  
}  
  
.result {  
    background: #f4f4f4;  
    padding: 15px;  
    border-radius: 8px;  
    line-height: 1.6;  
    font-size: 15px;  
    margin-top: 15px;  
}  
</style>  
</head>  
  
<body>  
  
<h1> Social Media Engagement Analysis</h1>  
  
<div class="top">  
  
<div class="box">  
    
```

```
<h3>YouTube Details</h3>
<input type="number" id="ytFollowers" placeholder="Subscribers">
<input type="number" id="ytLikes" placeholder="Likes">
<input type="number" id="ytComments" placeholder="Comments">
<input type="number" id="ytShares" placeholder="Shares">
</div>

<div class="box">
    
    <h3>Instagram Details</h3>
    <input type="number" id="igFollowers" placeholder="Followers">
    <input type="number" id="igLikes" placeholder="Likes">
    <input type="number" id="igComments" placeholder="Comments">
    <input type="number" id="igShares" placeholder="Shares">
</div>

</div>

<div class="bottom">
    <h3 style="text-align:center;">Calculation & Result</h3>

    <button onclick="calculate()">Calculate Engagement</button>

    <div class="result" id="output">
        Enter YouTube and Instagram values above, then click Calculate.
    </div>
</div>

<script>
function calculate() {

    let ytF = Number(ytFollowers.value) || 0;
    let ytL = Number(ytLikes.value) || 0;
    let ytC = Number(ytComments.value) || 0;
    let ytS = Number(ytShares.value) || 0;

    let igF = Number(igFollowers.value) || 0;
    let igL = Number(igLikes.value) || 0;
    let igC = Number(igComments.value) || 0;
    let igS = Number(igShares.value) || 0;

    if (ytF === 0 || igF === 0) {
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        output.innerHTML = " Subscribers / Followers cannot be zero.";
        return;
    }

    let ytTotal = ytL + ytC + ytS;
    let igTotal = igL + igC + igS;

    let ytRate = (ytTotal / ytF) * 100;
    let igRate = (igTotal / igF) * 100;

    let better =
        ytRate > igRate ? "YouTube has better engagement" :
        igRate > ytRate ? "Instagram has better engagement" :
        "Both platforms have equal engagement";

    output.innerHTML = `
        <b>YouTube Engagement Calculation</b><br>
        (Likes + Comments + Shares) / Subscribers × 100<br>
        = (${ytL} + ${ytC} + ${ytS}) / ${ytF} × 100<br>
        = <b>${ytRate.toFixed(2)}%</b><br><br>

        <b>Instagram Engagement Calculation</b><br>
        (Likes + Comments + Shares) / Followers × 100<br>
        = (${igL} + ${igC} + ${igS}) / ${igF} × 100<br>
        = <b>${igRate.toFixed(2)}%</b><br><br>

        <b>${better}</b>
    `;
}
</script>

</body>
</html>

```

Output:

file:///C:/Users/HOME/OneDrive/Documents/Desktop/code/instagram.html