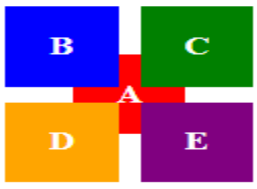
Name = Om Kumar
Email ID = omk5938@gmail.com
Assignment Name =Positions in CSS
GitHub = Link

1.Problem Statement Write code to position 5 equal-sized (50 X 50px) boxes A, B, C, D, and E as follows
box A 200px from the left, and 200px from the top of the viewport
box B -30px left, and -30px above from the center of box A
box B -30px right, and -30px above from the center of box A
box B -30px left, and -30px below from the center of box A
box B -30px right, and -30px below from the center of box A.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Box Positioning</title>
  <style>
    .box {
      width: 50px;
      height: 50px;
      position: absolute;
      color: white;
      display: flex;
      align-items: center;
      justify-content: center;
      font-weight: bold;
    }

    #A {
      background: red;
      top: 200px;
      left: 200px;
    }


    #B {
      background: blue;
      top: 170px; /* 200-30*/
      left: 170px;/* 200-30*/
    }

    #C {
```

```
    background: green;
    top: 170px;/* 200-30*/
    left:230px; /* 200+30*/
   }

   #D {
    background: orange;
    top: 230px; /* 200-30*/
    left:170px;/* 200-30*/
   }

   #E {
    background: purple;
    top: 230px;/* 200+30*/
    left:230px;/* 200+30*/
   }
  </style>
</head>
<body>

   <div id="A" class="box">A</div>
   <div id="B" class="box">B</div>
   <div id="C" class="box">C</div>
   <div id="D" class="box">D</div>
   <div id="E" class="box">E</div>

</body>
</html>
```

Output:-



2. Problem Statement Explain the difference between Absolute and Relative positioning.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Relative vs Absolute Positioning with Shadow</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      padding: 20px;
    }

    h1 {
      color: #333;
    }

    .explanation {
      max-width: 700px;
      margin-bottom: 30px;
      background: #f9f9f9;
      padding: 15px 20px;
      border-left: 4px solid #007bff;
    }

    .box {
      width: 200px;
      height: 200px;
      border: 2px solid black;
      margin: 40px 0;
      position: relative;
      background-color: #fff;
    }

    .relative-box {
      width: 100px;
      height: 100px;
      background-color: lightblue;
      position: relative;
      top: 20px;
      left: 20px;
      line-height: 100px;
      text-align: center;
      font-weight: bold;
      box-shadow: 4px 4px 10px rgba(0, 0, 0, 0.3);
```

```
    }

    .absolute-box {
      width: 100px;
      height: 100px;
      background-color: lightcoral;
      position: absolute;
      top: 20px;
      left: 20px;
      line-height: 100px;
      text-align: center;
      font-weight: bold;
      box-shadow: 4px 4px 10px rgba(0, 0, 0, 0.3);
    }
  </style>
</head>
<body>

  <h1>🔍 Relative vs Absolute Positioning in CSS</h1>

  <div class="explanation">
    <p><strong>Relative Positioning:</strong> An element with <code>position: relative</code> is moved relative to its normal position. It still occupies space in the layout, and other elements are not affected by its movement.</p>

    <p><strong>Absolute Positioning:</strong> An element with <code>position: absolute</code> is removed from the normal document flow. It is positioned relative to the nearest parent that is not <code>static</code>. It does not occupy space in the layout, so it can overlap other elements.</p>
  </div>

  <h2>1️⃣ Relative Box Example</h2>
  <div class="box">
    <div class="relative-box">Relative</div>
  </div>

  <h2>2️⃣ Absolute Box Example</h2>
  <div class="box">
    <div class="absolute-box">Absolute</div>
  </div>

</body>
</html>
```

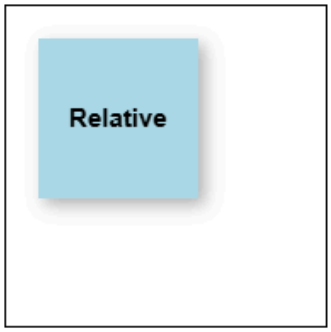
Output:-

🔍 Relative vs Absolute Positioning in CSS

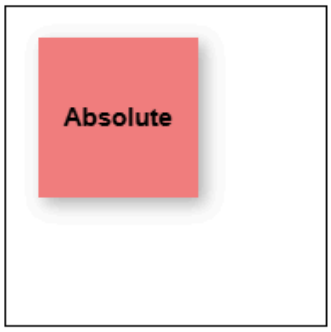
Relative Positioning: An element with `position: relative` is moved relative to its normal position. It still occupies space in the layout, and other elements are not affected by its movement.

Absolute Positioning: An element with `position: absolute` is removed from the normal document flow. It is positioned relative to the nearest parent that is not `static`. It does not occupy space in the layout, so it can overlap other elements.

1 Relative Box Example



2 Absolute Box Example



3. Problem Statement Create a card as shown in the picture below. (You can use CSS float property only for layout).

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Card Layout - Float</title>
  <style>
    .card {
      border: 1px solid #333;
      background-color: #fefbe9;
      width: 90%;
      max-width: 800px;
      margin: 40px auto;
      padding: 20px;
      overflow: auto; /* Clear the float */
    }

    .card img {
      float: right;
      width: 200px;
      height: auto;
      margin-left: 20px;
      border: 1px solid #ccc;
    }

    .card h3 {
      font-family: Georgia, serif;
      font-size: 20px;
      color: #222;
      margin-top: 0;
    }

    .card p {
      font-size: 16px;
      color: #333;
      line-height: 1.6;
      text-align: justify;
```

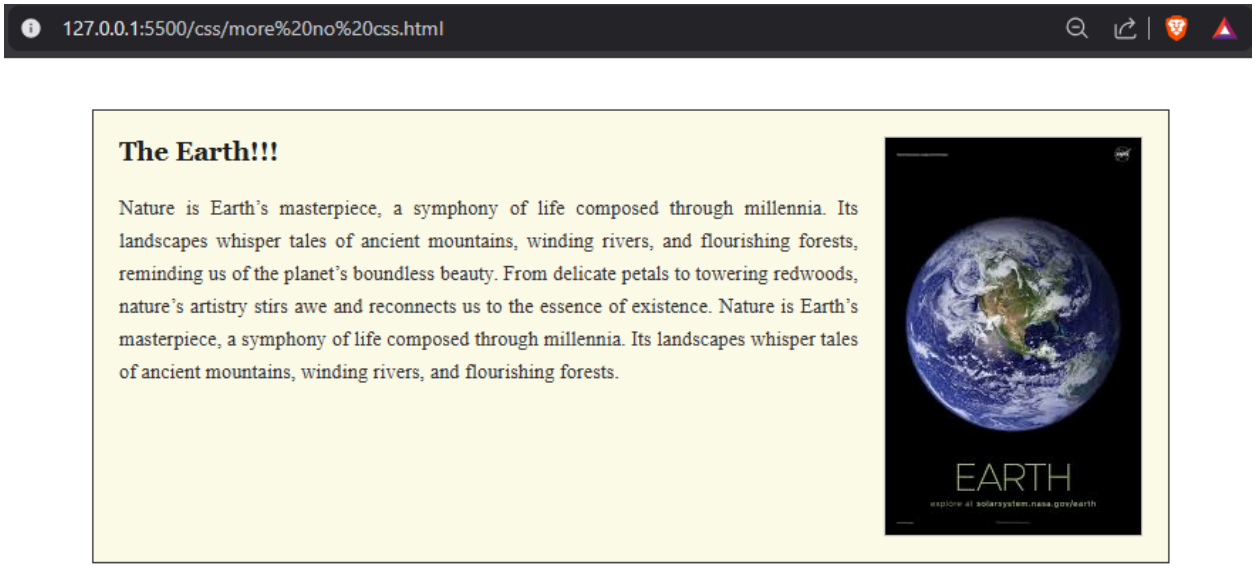
```
    }
  </style>
</head>
<body>

  <div class="card">
    <img
src="
xsaGBYXFRgYGBkYFhYaGBgZGBkZHSohGBslHhcYITEhKCorLi4uGB8zODMtNygtLisBCgoKDg0OGxAQGy
0lICUtLS0tKy0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLS0tLf/AABEIARc
AtAMBIgACEQEDEQH/xAAbAAEAAgMBAQAAAAAAAAAAAAAABAUCAwYBB//EAEUQAAEDAgMFBgMECAMHBQAA
AAEAAhEDIQQSMQUiQVFhBhMycYGRQqHwFCNSsTNicoLB0eHxFXSzJDRjkqLC0gcWU5OU/8QAGQEBAAMBA
QAAAAAAAAAAAAAAAAAECAwQF/8QAJBEBAQACAgIBBAMBAAAAAAAAAAAECEQMhEjFBBBNRYSJxkRT/2gAMAw
EAAhEDEQA/APhqIrEnC8q/W7Vf8IG/ZYv/x/+hG/ZYv30uIK5Cf8uz+Sj4vuvW7PIK5Pl+Ug+Ui+Ui
yIiAiIgICIiDZToOcIMAiIgIiICIiAiIgICIiDZToOcIMAiIgIiICIiAiIgKRhAiIgIiICIiAiIgIiICIiAiIgIiICIi
DNlQjQkeRhYkzcrxEBERAREQEREBERAREQEREBERAREQERE
```

A27TBI1HCRpwhVuwKDH13UXTNamWbsQDLX/kw6phqNXui50i/ARuEW06x81X0alSk/OyzxNwJN5baeh+a
5/PtbKdN2ydlCu2oGvAfSJnMHXaCSIiTPCIV32d2WS9wquNPI0GLb4dLWudMwDvcBrA0K5XD1KlBwqscA
WvggOE3uRlBu0gQeE25LqcZtMYl1N5jO0Rumzg6d4t0kAH1cIiFthlPVZtPaTCNogzTdlNsweII8p19Fy
+ellMjdIgy7KSADcEdeF11OA2RUxVR4eXNYwxTJjM6HFzhJEuFzvcZJ4qk7Q9n6oORtN5OshpDbDnoVrj
N5TSK5bFOp3DAYGjjrqNY6T7pgRleOTjHnP9Qt+DwYa8GsC1tzYwTEwB1kWUzBUXVi6o1p7sO3S62Ukgm
46gTC7L6FBWZlcW8iQtdVkghbqz8zyeZJ9ytSplEqwheLfi2w7zWhctmquIiKAWVNskDmY91ipWzGTVYP
1gpxm7IV3GGpABgJgSAfLir/F06bA2k18ljpcYguzuMm/GMoj9UWuQqVrgCA74b6ToPms21SXF2oeZN+c
fPgvayxc8XOx6OXEuk30DjeNCPlZd9UqtAY0m7pyiYmwBn0d81zOyaNOvTcZyuHxTdwkiDad3orfabnd0
GndcyCKkZgNIg9fyXHyd1pGrFUKQsyl3jnGZAc1vrDgT6n3VF2z2k6lQcxjKbQ5hacpcCLEWJBzEc+uqv
m7Vd3P3jA13hJbBpnqCTIHRV+2dnCu1rXsL2m8sdy/Vi6pOr2lyeycIaJouM3Y0m0Wqsa4ext5hXFVhDX
sAzd4A3QD4gZ6aD6K6vEbBH2dr6LXCswSA8zIE7pGmsxax5LJ/ZKpVLXgtpgQS49Li1o0Fl5nNhfO6+XR
hZrtxGJD6b2sbnIF2kg36ySRw8uMKHjKebxOJ8r6WXVbV2W8BwkEB8ENJMGQM1xug2tJ8JVO/BXOYxw9l
hd+k3Hfcc6zCgXLCYMWjlxHH3C6HZWx3NPhJBBsBw5DiDxmI3StmLFBjKVPOXkvc6o1rbwQAGgm0nKB0l
dJS2kKVIggNqEDKzdgCbAyJjUHWb25aYT8uezte4CiadJgcLwAAOAE3UHamPot3XPAJBN+Q4rhtvbfrw4
mqYHhDSQDAguynQm/Aa6DhRbL2hhak1K9eqKjzDqYGZpALcu87QSJgcokDXs4Z5C2r4qg7Fv7xodJbTZu
zaHPL4OpBAk2gHzVRtzbYIcwHiS6NHSDlEe03vb18x23GNqE0m2azI0vY3vN4HMSR9QVyrnkmTxXXMUMG
heOF/rmtrG3EarGu2PnJU5QiHtBkQoSsMd4fVV65OT2tBERUSKbsb9PT/aChKRgHxUYf1h+athdZRF9Po
216Aa2i4fEw5o4ubUe38g0x1C0tNsvBsnPpJDiXQfX5TxVzitn5qNIgSwvO8JkExmB9APVVNahkJJaWs+
HMDJbmOvDNoJXtb3HOkUsVlYBF8zszSSBmDnTBBmd4aLuuyW1hXo9y5ze8aLZviBnhN+v0V8zq/tHK6XA
mxmYI6mwXU9hK9FjalRwz1KZBawGHRqSPxeS5+XGa20ld7TwZDQXOaN24aAJJj3H15QWnORAcWB+RwzAT
PxWOsDSx9bLnNv8AarPTdDSx+hPeDdBIkkTExu2LvER0VV2c24+0EEtPgIIa8Go0NngSHOLhGkLm8Lraz
sKmKrNfRdTru7p8BwqNAyFrgHNJcAWnkDc63VttjtBkrMc2o2pTe0tAY4ENey4c6DxJgjXRRPteGxPfUH
MaXFxOYmHF7RlDma6aa6cIJXPVcOADTAt85n+kLnzXkRsNt51R1RjhEvvrmEaSfMnzKy2vTqPgE8JB5zw
jnZVGOpNzipJa8He5Hr53M/Lkr/H4gVKMscXlokOblMlu9DjqdI49Oa4M8LL20wy3jquQxm2aeGsGCpWF
xnnK2RAkSMx46qm2j2rq1ZhopkgXpki44iBI4iJtKbWY6viS2HOJgBjGZnwGBxIANzZx14XsqqlSa4OAD
y6AAAwOk5haxGURJm+kcZHp8PFjMJdfthlJa2YTaLs8vcXZrOk8/wC/ss8VhQ0uyaNIE2jebnAN9Rcfu+
aiuw5p1MlVpaWxIgE3AcOY0IPHyVlRqUt4NL2zBzEgtsc0lsC89eC1kku1bv4VZcXEkkk9brI04CsaNBu
jngAjxkTaZtxJ53mFP2Hg6b3lxlwDjAyGIaJgzJuYERzKv5RZQsZovMQeWk/Wi7Hb+DFR2Y5WcYs2B+F2
XUggjmuQxJEmLjSeaj3EIWNG5KrVabVeMoaOCq1ycnteCIiokXrTC8RB9v8A/TvbbAA2q4ZHAOBJsC0Ag
/JdT2h2YzJnpwcxjLlzAuJkTB3QJNxcT6L5B2Gxm4RN6Z890kfzj1K6zB7Squovw4cxwf8Ai3Tugndmwc
YHnI8h6sx85M5f7Yb10osdRdSeW1aRGWYDgYvqPnPooVWAQWS1rtZdYa8hJjnCvcXt+piGd3iGh4AAY8M
aHtyiwJAlwPKRrKjUndzfJTr0MzXFjt7L5xBaTfoYjz0u9dkU9bH1HwHZMoygnJd2t+fS0WA6rPZocyKs
ENa8Fj8lnPBJHGLZfS3NXf3dN7mDD0z3xY6m6oHHujrlho3mCYy9BpIK9/xY4fE1s1GjUY4ZXUxBpBti0
0iPARqIAFyDEWyv6XS9m7SNSoS3NmMuJaYHmeQ/mrE4kEta2pJMSXHKASec2HUrmcfh+77vEUnN+8NqQz
Ocz8IhwBII+KBcW0MY7RxjKTyabnghxjMGgiPDobO15acFz5ce/S8qXtnElr3tLQI1AMj3kqDhdpgQGPL
TOhMg6Rb+6xdjDi8jTUY11xDgKbNGgHNGXgJm5j1XOYxji8tlp8rC4mBIERMRzFpELPP6acnv2i+9u1Zs
P7RUzU3imYcDUbUFMnxEAgmQDZumhNtArrsX2KY2u51V4cwvIIa2GBzSHZG53EubB8V5A4zK4ar2kPcDD
90C6ADUm9vwgCZ4TP5rfs/tDjKI7ulIYRniQ5zW2AzkTpbxXuJCr9jkmHjvaHd9ouzmGxJc7D584zjIW7
oeCGiWgA2mxmLCxGvyyo2oKhJkPBuTb10X0fsh2mrVabxA7xoMDMGOccsNjibm5hUm1dlYt7g/EV2mDlO

```
ZwLgBvEMa0SbkjzBsIhacWVm5kOYNIufLoL3XGUdJgAWmL2VlgWPp1ZALWkCWk5ZbOZlgQWtsPUK62Zsx
gcQ8k1cpEmIy5cpgRAsOvVT8TTPMZbEOk8ATdvO2vmpy5viIczt7EOq5fu2tAF9C6YiD0tMcyqDGgtImJ
/jK6TFNaXOfpMxxt9D8lQY6oDaOv16JOTpHaixrtAoq24h+ZxK1Lmyu61giIqgiIgs+z2P7ms1xu02cOY
Nl9BxuGAILTnpuu2RPEWOkwD818rX0bsBtRldv2SsbmMjpiDwM8OR9Cu76Tm8f41lyY/LfiGudZjiXON7
8YBDSTrpaTqI6mPhSWk1GvLXCwyuh4Lt0N5xrMcOUrPF4dzHOY4EOBIcCPT8161znVBMucLHSXAN6xJi0
amNbr0LOmcro8Pt4Gmaddraj/E2wkGNXAiDBAMa9DC2OweFrUxiarnU6jf0gbAL3DePd0yIk8I0VH3LHu
GWpnJLY1MkXygOgmJG7w04rCr39F/eNBDy/SCdN4ZWOvEg84XNlhPhpKt9ibDq1g+uzEHDOqZXNa7eaab
DOes8iM1wRxueZVTtPs/lJD6tN9QMBDBVY7O7Ndkg5iQJ5HdPRaWPq13itiK2ZkzBDiJlxyZQIaRc25iO
kzEbDw9Kl3r6xzOmQ0XFyTAGpMaxAIEcFTVlSoKuFrMo1AMPTy571AA5zRAGUOM7vUHXUq+2H2SdimMe9
wa98ZXACCyNZZIsLm0+Wo8oY40qrHjFUXUi0NdmAkM1kNgX4gWMg2XRYzGYnvG0cOaTgRm3t3cbESBJaT
NrHRVy2l872hsurTqFjKbzBAnK++YS2dY4W59VP2bgMXh306ow0kkHJ3Zc8gEw5zMriwTrIvaxC6KptnE
Nqj7sl8APeCWtYHOuBMRukHTQyteA2tXdUDhQqhoaRuiQHHi53E2jn5KexV7KobRY99Wn9wHzOYtbLS0v
HiiW9dAfUKbs6lUqFlY1qj6ocRwN4cXZJFpEAE2mTyUijiqm4wYeo0uAuKcDds6zunA6SVcbNwjn56j2B
knd8MkQBE8rQTHGwVcupuoaO4c573QBn3RfRjR8JOkzr0PNSMZRlpbcNGsWL44E+i9xO3qTZM6OjgJkay
eH8iqLavatpa5tJpzaB5iPMc+K5scTcVfalzGgNbZxuR06/L2XG7TrwOpVli6xOZ7jcmSTxXNYqtndPsm
d1E4xpREWK4iIgIiIC24au6m4OaYIWpFMuu4Pr+wdpUtpUm5p+0UwARN6rGxLerg2QOduSqcThspcODSQ
JEGJj3uvn+z8c+i8PpuIcD+S+n7H7Q0ccAXOFHE6F0DJU/bHwn9bTnC9L6f6iZdVjlhpCxLASHGXiLzxO
pNjIgniOF9VoFWoLw/mCHvEEyM+Yakn4ukK7xnZ6vREmkSMp3mbwg84tETZRmZQcxbBgiWnJBPCx3AIiD
C6bqzpWK1uLMb/iizwAXcQWvBIzjrNp4zaVRwNN7Gv3XvcNGlwc1waTDmg30OgGvqN+IpU6hPikwZkm8R
xPlcmbBbqexaJuKhkxBIAAgzo0EcjFo91nZFttTsW6rlL3ltNu73dPdfyEtJgCCeNobfibfDtZRaMoqPN
pdbPBu0EF28Ii4kG9xELDZ/Z3M7PmDojUAMMcSWjeI5kTc8V0bqdSnTy962IgGQ3L+8LkdFjlr1EucxT3
OeyqwSZG6BLrSJcyXXi06XHVX9KZHeVBTcYjKLzxAzelo9lWnE1WXDmm4G5TBt+Kfi0UnZ9Rjqjn2zD4n
WqHzkAtb0FtVWzpKyqg3OZxnncecWuqnF7VeM9M0XDLo/LDSBBkjh/IFWlfGxw9lX4nGhwIIeOsjj6qvj
uIrkNujvXktcwM1AuLm5mJvJKoqwjXh9ey6PH4mnTBLi0ATcC/91wG29sd6crBlZ7k9SVllrH2nx2j7Tx
ucwNB81Xoi57d1oIiKAREQEREBERAWVOoWkEEgjQhYog77sl/6jVcPFOtL6enOB5cPILo8Vi6GJIdQDd6
8tJzA8nAGHD0J6r48ttDEOYZY4tPMFdXH9Tcb32pcN+n1KgaTCe8aajuRgADz59IVmKgyAsw4cIvkqFpF
9C3X1iF80wvaqq2M7W1I4mzvcaq+wXbagJz0CJEHRw56W911f8ARx5fKnjY6qntzI3K1jsvMObr5xIWk7
bJMFlQutY1TljW+oN1V1e2OFqHMSc/FzmEH3aRNufJaK3aPB6tcWn9UW9AdPdW8+P8z/Uaq+OLqVLE04/
XIMeka+Sm0sBYZqhJn4Yy+gIXCYntJhjpnd5DL/b0hQcV2uJ8FM6QC97iQOgmFnly8c+UyV9Nx+LbSbJO
g5wuI2p2vyyBBPAD8yuPxu161Xx1DHKbKCubLn+MV5j+UzaG0X1jLjblwUNEXPbb7XERFAIiICIiAiIgI
iICIiAiIgIiICIiAiIgIiICIiAiIgIiICIiAiIgIiICIiCyw+ygaTar8RSptc5zWh4qkksy5v0dNwA3wv
Kmz6YBIxlBxAJDQ3ESYGgmiBJ0uQFYN2eauDoQ+k2Ktb9JUayZFHTMb6KBidjuY0uNagY4Nr03OPk0GSs
5d/KFc1pJAAknQDUlTts7Kfhqnd1C0mJBaZablpg8w5rmnq0qT2dGQvxJFqDczZ0NZ1qQ9HS/yplZUnGv
hXtJJqUHGo03JNKoQKg/dfld+88qbld/oRcDszvKbqrq1Omxrmsl/eGXODiABTY7g06rdS2M15ysxeHc7
g2arJPIOq02tnzIWzBYd78FUDGOcftFIw1pJjuqt7KLh9h4l5ytw9SerCAOpJENHU2TfvSet2WBIqYilS
eCQ6nUbXzNIMXyUnD5rfidhtpkB+MoAua1wtiDLXjM02o8QVr7R1murnK8PyspsLwZD3U6TWOcDxBLTfj
qs+0njo/5ah/pNTu6EOvgC2n3ge1zDUdTBbmuWBriQHNBykOETfoFEXQYXBGrgmAPptjEVP0lRrJmlS0z
G6jf4A7/AOfDf/ppf+STOfJtB2jgnUajqTiC5pgkTGk2kBRlcdrh/tlb9r/tCp1bG7kqYIiKQREQEREBE
RAREQEXpC9yHkePDlr7SPdBft2ZWr4Oh3VJz8tWtOUTEijE+x9lCq9nsU1pc7D1A1oJJLTAAEkn0VZlPJ
```

```
e5DEwYteOen5KsliF/isU3D0aeHdQp1HECtUzmqIe8bjfu3t0plpvMF7gtWztuU6dQO+x0QLtfldXJLHj
K8AOrFslpIuCqVrCTABnl56I5hBggg8iOWqjwhp0eJpvwtCuxlQiMTThzXEZmGlVcx1uBaWn1UbZm0zVD
sNiKru7qRle9xPd1B4HGfgOjhyM6tCpMp0heupkRIIkSLaiYkdJsnhPk0zxNB1N7mPGVzSQQeBGqse0fj
pf5ah/pNVVCZTy/ura72la1P9xp/wCYqf6VJVK9SEk0Lbtb/vdb9r/tCqFmaRyh0GCSAeEgAkemYe4RlM
kwASToAJN+iSamhgiyewjUEWBuIsRIPkQZWKkEREBERARFJGBdzZ/9tP8A8kEZFtr0CyM0X5Oa73gmFqQ
Wo25UzSWt1ZIAI8Dy8Re1yVrG13zo3/q4Na0XzSbNFjIPGbRXIo1BOr7Te9hYYgmSYvwtM6boXmK2k6o3
KWtAho3QR4C6OP65+ShImhdHtLV/Czwtbo74QQCd7eMO4zGog3WNbtDVc0NhjQA4bocCQ57Huk5uJpj3P
NU6yY2TEgeZge6jxhpdntPUnNlbm7zOTfL4A3LEzBgONzJA9dTe0dUNc2GQ4ZTIcYAe9wA3rfpHDyA43V
ecKfxM/wCdv8159lP4mf8AO3+aeOKE/EdoKtR7HvDS5jszZzWMsP4v+GPc9I2Ue0tVoAysJzNdmIdmJaw
MEnNezb+Z5qqfQIEy30c0/kVqTxiVu/b73GkTTp/dPL25QQZL2uPE/hjTieMLbW7S1CTlaGguaYLnOO4K
YgmYdPdNkkTd3MqjRPGGlz/7jqw8BrIe1zXWJ8biSRe1iGxcQ1ovCVO0lYua4BjcpYYbmAPdl5aDvafeH
2GipkTxhpLxm0H1Wsa6IYIbrYZGMi50imD5k81ERFYEREBERAREQEREBERAREQEREBERAREQEREBERB
QERERB//2Q==" alt="Colorful image" />
    <h3>The Earth!!!</h3>
    <p>
      Nature is Earth’s masterpiece, a symphony of life composed through
millennia.
      Its landscapes whisper tales of ancient mountains, winding rivers, and
flourishing
      forests, reminding us of the planet’s boundless beauty. From delicate
petals to
      towering redwoods, nature’s artistry stirs awe and reconnects us to the
essence of
      existence. Nature is Earth’s masterpiece, a symphony of life composed
through
      millennia. Its landscapes whisper tales of ancient mountains, winding
rivers, and
      flourishing forests.
    </p>
  </div>

</body>
</html>
```

Output:-



4. Problem Statement Create a simple header that sticks to the top of a webpage upon scrolling.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Sticky Header</title>
  <style>
    body {
      margin: 0;
      font-family: Arial, sans-serif;
    }

    /* Sticky Header */
    .header {
      background-color: #1c1b1b;
      color: white;
      position: sticky;
      top: 0;
      z-index: 1000;
      display: flex;
```

```
    justify-content: space-between;
    align-items: center;
    padding: 10px 40px;
    box-shadow: 0 2px 5px rgba(0,0,0,0.1);
  }

  .logo {
    font-weight: bold;
  }

  .nav-links {
    display: flex;
    gap: 25px;
  }

  .nav-links a {
    color: #ccc;
    text-decoration: none;
    font-weight: 500;
    transition: color 0.3s;
  }

  .nav-links a:hover {
    color: white;
  }

  .get-started {
    background-color: #ffc107;
    color: black;
    padding: 6px 14px;
    border-radius: 5px;
    text-decoration: none;
    font-weight: bold;
    margin-left: 20px;
  }

  /* Content for scroll testing */
  .content {
    padding: 30px 40px;
```

```
    }

    .content h2 {
      margin-top: 40px;
    }
  </style>
</head>
<body>

  <header class="header">
    <div class="logo">LOGO</div>
    <nav class="nav-links">
      <a href="https://github.com/honey3454/More-on-Css-Assignment">Home</a>
      <a href="https://github.com/honey3454/More-on-Css-Assignment">Pricing</a>
      <a href="https://github.com/honey3454/More-on-Css-Assignment">Contact</a>
      <a href="https://github.com/honey3454/More-on-Css-Assignment">Terms and
Condition</a>
      <a href="https://github.com/honey3454/More-on-Css-Assignment"
class="get-started">Get Started</a>
    </nav>
  </header>

  <div class="content">
    <h1>Heading 1</h1>
    <p>Physics Wallah Limited (commonly known as Physics Wallah; or simply PW) is
an Indian multinational educational technology company headquartered in Noida,
Uttar Pradesh. The company was founded by Alakh Pandey in 2016 as a YouTube
channel aimed at teaching the physics curriculum for the Joint Entrance
Examinations (JEE), National Eligibility cum Entrance Test (NEET) and CBSE board
examinations.As the channel beagan to gain more viewership, Alakh Pandey also
started to post chemistry content. In 2020, Pandey, along with his co-founder
Prateek Maheshwari created the Physics Wallah app, which allowed students to
access courses related to the National Eligibility cum Entrance Test (NEET) and
Joint Entrance Exam (JEE). PW became India's first Edtech company to achieve a
unicorn status in 2022.[1] As of September 2024, the company is valued at around
$2.8 billion.[2] Physics Wallah confidentially filed draft papers for a $530M IPO
in March 2025.[3]

       History
```

Physics Wallah, was founded in 2016 as a YouTube channel hosted by Alakh Pandey, an educator hailing from Prayagraj, Uttar Pradesh. The channel was initially focused on teaching the physics curriculum for the Joint Entrance Examinations (JEE), a popular entrance examination in India.[4] Due to Pandey's style of teaching,[4][5] the channel grew rapidly, reaching over 2 million followers in 2019.[6] In 2020, Pandey along with co-founder Prateek Maheshwari developed the Physics Wallah app.[5] The app was initially designed for students aspiring to take the National Eligibility cum Entrance Test (NEET) and Joint Entrance Exam (JEE)[7][8] and offered courses similar to those of competing companies at an affordable rate.[9] Over the next few years, Physics Wallah expanded their offerings by launching courses for other competitive exams.[10]

As of February 2025, the Physics Wallah app had been downloaded over 10 million times on the Android Play Store. The Physics Wallah YouTube channel amassed 13.3 million subscribers during the same period.[11] In June 2022, the company became a unicorn company after being valued at over $1.1 billion following its first funding round where it raised $100 million in funding from various venture capital firms.[12] During the same time, PW also launched its first offline center named Vidyapeeth in Kota, Rajasthan.[13][14] By November 2023, Physics Wallah had expanded to 67 offline centers in 34 cities across India.[15] However, in the same month, Physics Wallah laid off 150 employees, amounting to 0.8% of its workforce, citing performance reasons.[15]

In September 2024, the company raised $210 million in funding at $2.8 billion valuation.[16]

Controversies

Allegations by teachers

In March 2023, several teachers at the ed-tech company alleged that the vision of the company was being disillusioned and in response started an independent YouTube channel by the name, 'Sankalp Bharat'.[17][18] Through a video uploaded on the same YouTube channel, they delved into the reasons behind their departure from Physics Wallah, citing the company's atmosphere as the primary factor. Additionally, they alleged that students at the Kota center of Physics Wallah were not receiving an education that justified the tuition fees being charged.[19][18]

In response, a teacher of the company, Pankaj Sijariya, alleged in a video that the three ex-PW teachers – Tarun Kumar, Manish Dubey, and Sarvesh

Dixit were offered Rs 5 crore each to resign from Physics Wallah and join the rival company, Adda247.[20] The three teachers, in a video claimed that Pankaj Sijairya accused them of accepting bribes from rival platform Adda247.[21] The company has refused to comment on the validity of the claims and in a statement to Business Today called the allegations a "distraction".[22]

Acquisitions and expansions

In August 2022, Physics Wallah acquired FreeCo, a doubt-solving platform and marked it as their first acquisition.[23][24][25] Later the same year, Physics Wallah acquired multiple startups that focused on publishing books aimed at helping students prepare for various competitive exams.[26] Physics Wallah also acquired iNeuron from S. Chand Group during the same time.[27] In 2023, Physics Wallah acquired 50% stake from Xylem Learning a hybrid education platform in South India.[28]

In December 2024, Government of Andhra Pradesh and Physics Wallah, have signed a Memorandum of Understanding (MoU) to establish the University of Innovation (UoI).[29]

In popular culture

A 6-episode web series named Physics Wallah on the life of Alakh Pandey (portrayed by Shreedhar Dubey) and his company was released on 15 December 2022 on Amazon Mini TV. The series was created, directed and produced by Abhishek Dhandharia, under his production house, About Films.[30]

See also

Unacademy

Byju's

Education in India

uary 2023). "PhysicsWallah CEO Alakh Pandey started his career at the age of 22, check his education qualification and more". TimesNow. Retrieved 21 December 2023.

<h2>Heading 2</h2>

Physics Wallah Limited (commonly known as Physics Wallah; or simply PW) is an Indian multinational educational technology company headquartered in Noida, Uttar Pradesh. The company was founded by Alakh Pandey in 2016 as a YouTube channel aimed at teaching the physics curriculum for the Joint Entrance Examinations (JEE), National Eligibility cum Entrance Test (NEET) and CBSE board

examinations.As the channel beagan to gain more viewership, Alakh Pandey also started to post chemistry content. In 2020, Pandey, along with his co-founder Prateek Maheshwari created the Physics Wallah app, which allowed students to access courses related to the National Eligibility cum Entrance Test (NEET) and Joint Entrance Exam (JEE). PW became India's first Edtech company to achieve a unicorn status in 2022.[1] As of September 2024, the company is valued at around $2.8 billion.[2] Physics Wallah confidentially filed draft papers for a $530M IPO in March 2025.[3]

History

Physics Wallah, was founded in 2016 as a YouTube channel hosted by Alakh Pandey, an educator hailing from Prayagraj, Uttar Pradesh. The channel was initially focused on teaching the physics curriculum for the Joint Entrance Examinations (JEE), a popular entrance examination in India.[4] Due to Pandey's style of teaching,[4][5] the channel grew rapidly, reaching over 2 million followers in 2019.[6] In 2020, Pandey along with co-founder Prateek Maheshwari developed the Physics Wallah app.[5] The app was initially designed for students aspiring to take the National Eligibility cum Entrance Test (NEET) and Joint Entrance Exam (JEE)[7][8] and offered courses similar to those of competing companies at an affordable rate.[9] Over the next few years, Physics Wallah expanded their offerings by launching courses for other competitive exams.[10]

As of February 2025, the Physics Wallah app had been downloaded over 10 million times on the Android Play Store. The Physics Wallah YouTube channel amassed 13.3 million subscribers during the same period.[11] In June 2022, the company became a unicorn company after being valued at over $1.1 billion following its first funding round where it raised $100 million in funding from various venture capital firms.[12] During the same time, PW also launched its first offline center named Vidyapeeth in Kota, Rajasthan.[13][14] By November 2023, Physics Wallah had expanded to 67 offline centers in 34 cities across India.[15] However, in the same month, Physics Wallah laid off 150 employees, amounting to 0.8% of its workforce, citing performance reasons.[15]

In September 2024, the company raised $210 million in funding at $2.8 billion valuation.[16]

Controversies

Allegations by teachers

In March 2023, several teachers at the ed-tech company alleged that the vision of the company was being disillusioned and in response started an independent YouTube channel by the name, 'Sankalp Bharat'.[17][18] Through a video uploaded on the same YouTube channel, they delved into the reasons behind their departure from Physics Wallah, citing the company's atmosphere as the primary factor. Additionally, they alleged that students at the Kota center of Physics Wallah were not receiving an education that justified the tuition fees being charged.[19][18]

In response, a teacher of the company, Pankaj Sijariya, alleged in a video that the three ex-PW teachers – Tarun Kumar, Manish Dubey, and Sarvesh Dixit were offered Rs 5 crore each to resign from Physics Wallah and join the rival company, Adda247.[20] The three teachers, in a video claimed that Pankaj Sijairya accused them of accepting bribes from rival platform Adda247.[21] The company has refused to comment on the validity of the claims and in a statement to Business Today called the allegations a "distraction".[22]

Acquisitions and expansions

In August 2022, Physics Wallah acquired FreeCo, a doubt-solving platform and marked it as their first acquisition.[23][24][25] Later the same year, Physics Wallah acquired multiple startups that focused on publishing books aimed at helping students prepare for various competitive exams.[26] Physics Wallah also acquired iNeuron from S. Chand Group during the same time.[27] In 2023, Physics Wallah acquired 50% stake from Xylem Learning a hybrid education platform in South India.[28]

In December 2024, Government of Andhra Pradesh and Physics Wallah, have signed a Memorandum of Understanding (MoU) to establish the University of Innovation (UoI).[29]

In popular culture

A 6-episode web series named Physics Wallah on the life of Alakh Pandey (portrayed by Shreedhar Dubey) and his company was released on 15 December 2022 on Amazon Mini TV. The series was created, directed and produced by Abhishek Dhandharia, under his production house, About Films.[30]

See also

Unacademy

Byju's

Education in India

References

" the unassuming underdog among ed-tech firms in India". Business Standard.

Majumdar, Debleena (22 November 2022). "What does it take to create Bharat's education lab: The story of PhysicsWallah, building on trust". The Economic Times.

```
      </p>
    <h2>Heading 3</h2>
    <p>Physics Wallah Limited (commonly known as Physics Wallah; or simply PW) is
an Indian multinational educational technology company headquartered in Noida,
Uttar Pradesh. The company was founded by Alakh Pandey in 2016 as a YouTube
channel aimed at teaching the physics curriculum for the Joint Entrance
Examinations (JEE), National Eligibility cum Entrance Test (NEET) and CBSE board
examinations.As the channel beagan to gain more viewership, Alakh Pandey also
started to post chemistry content. In 2020, Pandey, along with his co-founder
Prateek Maheshwari created the Physics Wallah app, which allowed students to
access courses related to the National Eligibility cum Entrance Test (NEET) and
Joint Entrance Exam (JEE). PW became India's first Edtech company to achieve a
unicorn status in 2022.[1] As of September 2024, the company is valued at around
$2.8 billion.[2] Physics Wallah confidentially filed draft papers for a $530M IPO
in March 2025.[3]
```

History

Physics Wallah, was founded in 2016 as a YouTube channel hosted by Alakh Pandey, an educator hailing from Prayagraj, Uttar Pradesh. The channel was initially focused on teaching the physics curriculum for the Joint Entrance Examinations (JEE), a popular entrance examination in India.[4] Due to Pandey's style of teaching,[4][5] the channel grew rapidly, reaching over 2 million followers in 2019.[6] In 2020, Pandey along with co-founder Prateek Maheshwari developed the Physics Wallah app.[5] The app was initially designed for students aspiring to take the National Eligibility cum Entrance Test (NEET) and Joint Entrance Exam (JEE)[7][8] and offered courses similar to those of competing companies at an affordable rate.[9] Over the next few years, Physics Wallah expanded their offerings by launching courses for other competitive exams.[10]

As of February 2025, the Physics Wallah app had been downloaded over 10 million times on the Android Play Store. The Physics Wallah YouTube channel amassed 13.3 million subscribers during the same period.[11] In June 2022, the

company became a unicorn company after being valued at over $1.1 billion following its first funding round where it raised $100 million in funding from various venture capital firms.[12] During the same time, PW also launched its first offline center named Vidyapeeth in Kota, Rajasthan.[13][14] By November 2023, Physics Wallah had expanded to 67 offline centers in 34 cities across India.[15] However, in the same month, Physics Wallah laid off 150 employees, amounting to 0.8% of its workforce, citing performance reasons.[15]

In September 2024, the company raised $210 million in funding at $2.8 billion valuation.[16]

Controversies

Allegations by teachers

In March 2023, several teachers at the ed-tech company alleged that the vision of the company was being disillusioned and in response started an independent YouTube channel by the name, 'Sankalp Bharat'.[17][18] Through a video uploaded on the same YouTube channel, they delved into the reasons behind their departure from Physics Wallah, citing the company's atmosphere as the primary factor. Additionally, they alleged that students at the Kota center of Physics Wallah were not receiving an education that justified the tuition fees being charged.[19][18]

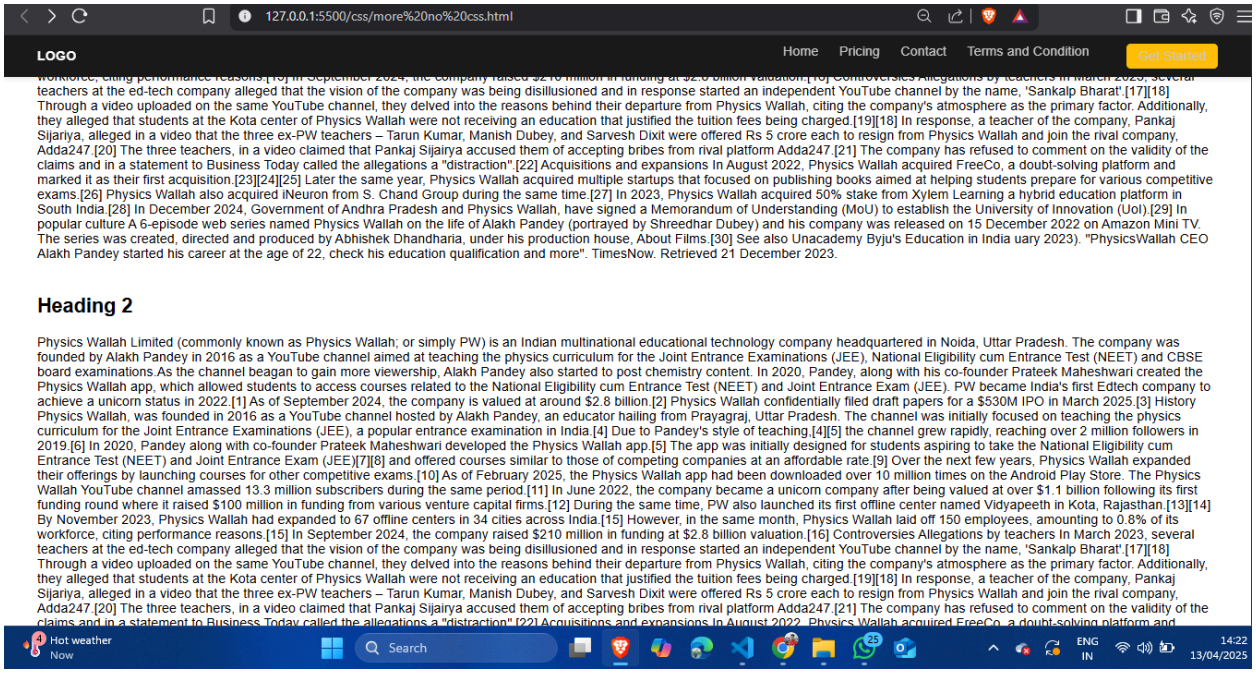
In response, a teacher of the company, Pankaj Sijariya, alleged in a video that the three ex-PW teachers – Tarun Kumar, Manish Dubey, and Sarvesh Dixit were offered Rs 5 crore each to resign from Physics Wallah and join the rival company, Adda247.[20] The three teachers, in a video claimed that Pankaj Sijairya accused them of accepting bribes from rival platform Adda247.[21] The company has refused to comment on the validity of the claims and in a statement to Business Today called the allegations a "distraction".[22]

Acquisitions and expansions

In August 2022, Physics Wallah acquired FreeCo, a doubt-solving platform and marked it as their first acquisition.[23][24][25] Later the same year, Physics Wallah acquired multiple startups that focused on publishing books aimed at helping students prepare for various competitive exams.[26] Physics Wallah also acquired iNeuron from S. Chand Group during the same time.[27] In 2023, Physics Wallah acquired 50% stake from Xylem Learning a hybrid education platform in South India.[28]

```
        In December 2024, Government of Andhra Pradesh and Physics Wallah, have signed a Memorandum of Understanding (MoU) to establish the University of Innovation (UoI).[29]

        In popular culture
        A 6-episode web series named Physics Wallah on the life of Alakh Pandey (portrayed by Shreedhar Dubey) and his company was released on 15 December 2022 on Amazon Mini TV. The series was created, directed and produced by Abhishek Dhandharia, under his production house, About Films.[30]

        See also
        Unacademy
        Byju's
        Education in India
        </p>
  </div>

</body>
</html>
```

Output:-



5. Problem Statement Explain the z-index, with a code example.

Sure! Let's break it down super simple:

`z-index`

`z-index` controls the **stacking order** of elements on the page.
Think of it like layers of paper:

- Lower `z-index` → goes **underneath**
- Higher `z-index` → goes **on top**

But it only works on elements that have **positioning** (`relative`, `absolute`, `fixed`, or `sticky`).

Example: One Box Overlapping Another

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>z-index Example</title>
  <style>
    .box1 {
      width: 200px;
      height: 200px;
      background-color: red;
      position: absolute;
      top: 50px;
      left: 50px;
      z-index: 1; /* below box2 */
    }

    .box2 {
      width: 200px;
      height: 200px;
      background-color: blue;
      position: absolute;
      top: 100px;
      left: 100px;
```

```
    z-index: 2; /* on top of box1 */
   }
  </style>
</head>
<body>

  <div class="box1"></div>
  <div class="box2"></div>

</body>
</html>
```

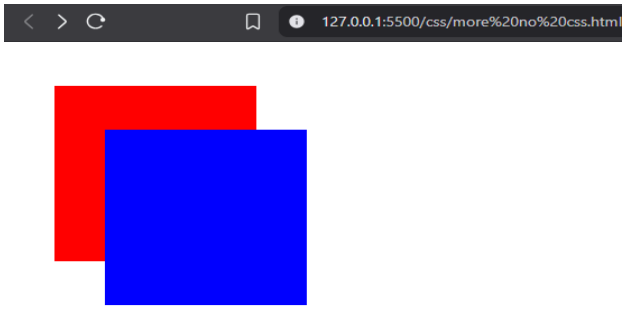
What Happens Here?

- `box1` (red) is behind.
- `box2` (blue) overlaps it and appears **on top** because it has a higher `z-index`.

If you **swap the z-index values**, red will be on top.

Remember:

`z-index` only works when the element has:

```
position: relative;
/* or absolute, fixed, or sticky */
```

Output:-