Flexbox in CSS
Assignment

QUESTION 1. Create a photo gallery as shown in The below image
- **Use CSS flex to align the images side by side**
- **Using CSS flexbox properties, ensure that even if new images are added, the website flow is not broken. ?**

ANSWER:

PROGRAM

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        .gallery{
            display: flex;
            flex-wrap: wrap;
            flex-direction: row;
            align-items: flex-start;
        }
        img{
            max-width: 250px;
            border: 3px solid black;
            margin: 10px;
        }
    </style>

</head>
<body>
    <main class="gallery">
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">
```

```html
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">
        <img src="/IMAGES/4m.jpg" alt="">

    </main>

</body>
</html>
```

QUESTION 2. c Create a simple webpage as shown in The image below
  ● **The webpage must contain course details**
  ● **The cards must be aligned side by side. If a new card gets added, the size of the cards must not be varied and the flow must be moved to the next row automatically. ?**

ANSWER:
PROGRAM

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    body{
      background-color: #284052;
      font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande",
     "Lucida Sans", Arial, sans-serif;;
    }

    h1{
      color: #6d6dff;
      text-align: center;
      margin-bottom: 10px;
```

```css
}
.p1{
    color: #ffffff;


    font-size: 12px;
    text-align: center;


}
.container{
    display: flex;
    flex-wrap: wrap;
    flex-direction: row;
    justify-content: center;
    margin-top: 100px;
    gap: 20px;


}
img{
    width: 100%;




}
.block{

    background: #ffffff;
    max-width: 300px;

    border: 0;
    border-radius: 10px;
  padding: 15px;

}
.name{
    font-size: 13px;
    font-weight: lighter;
```

```html
        }
        .coursename{
            font-size: 18px;
            color:#4646cf ;

        }
        .free{
            font-size: 16px;

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

    <h1>Community Programs</h1>
    <p class="p1">Open to all pro-live classes on Youtube for free.</p>
    <main class="container">
        <div class="block 1">
            <img src="/IMAGES/8-1.jpg" alt="1">
            <h3 class="coursename">Masterclass Understanding APIs in Web Development with
RoadMap</h3>
        <p class="name">Hitesh Choudhary</p>
        <h3 class="free">FREE</h3>

        </div>
        <div class="block 2">
            <img src="/IMAGES/8-2.jpg" alt="1">
            <h3 class="coursename">Masterclass Cracking The Coding Interview LinkedList</h3>
        <p class="name">Vishwa Mohan</p>
        <h3 class="free">FREE</h3>

        </div>
        <div class="block 3">
            <img src="/IMAGES/8-3.jpg" alt="1">
            <h3 class="coursename">MasterClass Important of DSA in Modern Programming</h3>
        <p class="name">Priya Bhatia</p>
        <h3 class="free">FREE</h3>

        </div>
    </main>


</body>
</html>
```

QUESTION 3.Create a simple footer using CSS flexbox as shown in the below image
 ● **The footer must contain some logos, email, and navigation links**
 ● **The position of the footer must be fixed to the bottom. ?**
ANSWER:
PROGRAM

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>

        .container{
            font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande",
          "Lucida Sans", Arial, sans-serif;

            background-color: #202129;
            color: aliceblue;
            display: flex;
            justify-content: center;
            position: fixed;
            bottom: 0;
            width: 100vw;




        }
        .footer{
            display: flex;
          max-width: 1200px;
          width: 100%;
          margin: 50px 10px;

          justify-content: space-around;
          gap: 20px;
        }
```

```css
.block1{
  margin-top: 25px;
  margin-left: 100px;
  width: 30%;


}

div>img{
  width: 30%;



}
.block2{

  width: 30%;

}
.block3{

  width: 30%;


}
td{
  width: 150px;
  height: 50px;
}
hr{
  margin-right: 50%;
  border: 1px solid #fff200;
}

.main{
  font-size: 25px;
}
.heading{
  font-weight: bold;
  margin-bottom: 0;
}
.mail{
```

```html
        margin-top: 4px;
        margin-bottom: 60px;

      }



    </style>
  </head>
  <body>
    <section class="container">
      <div class="footer">
        <div class="block1">
          <img src="/IMAGES/PWSkills-white.png" alt="pw logo">
          <p class="heading">Email us:</p>
          <p class="mail">support@pwskills.com</p>
          <img src="" alt="logo">
          <p >ISO 9001</p>
        </div>
        <div class="block2">
          <p class="main">PW Skills</p>
          <hr>
          <table>
            <tr>
              <td>About Us</td>
              <td>Contact Us</td>
            </tr>
            <tr>
              <td>FAQs</td>
              <td>Job
                <br> assistance</td>
            </tr>
            <tr>
              <td>Privacy policy</td>
              <td>Terms and
                conditions</td>
            </tr>
          </table>
        </div>
        <div class="block3">
          <p class="main">Products</p>
          <hr>
          <p>PW Skills Lab</p>

           <p>Job Portal</p>
```

```html
        <p>Experience portal</p>

        <p>Become an affiliate</p>

        <p>Hall of fame</p>

      </div>
    </div>
  </section>

</body>
</html>
```

QUESTION 4. Create a simple Gmail landing page clone as shown in the below image Reference Link : https://www.google.com/intl/en_in/gmail/about/   ?
ANSWER:
PROGRAM

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    @import
url("https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400;500;600&display=swap");

    .container{
      width: 100%;
      max-width: 1200px;

    }
    body{
      font-family:  "Open Sans", sans-serif;
      display: flex;
      justify-content: center;
```

```css
}
.header{
    display: flex;

    justify-content: space-between;
    align-items: center;
    margin-bottom: 0;
    padding: 0px 25px;



}
.logosection{
  display: flex;
  align-items: center;
  gap: 10px;
  font-weight: 400;
  font-size: 18px;

}
.logo{
    width: 30px;
    height: 30px;
}


    .button{
    display: flex;
    gap: 50px;
    }

.button1{
    color: #2656d8;
    border: none;

background-color: #fff;
font-size:15px ;
}
.button2{
    color: #3c65d6;
    border: 0.5px solid #1f1f1f5e;

background-color: #fff;
font-size:15px ;
```

```css
    padding: 10px 20px;
    border-radius: 4px;
    font-weight: 300;
    padding: 10px 20px;
    }
    .button3{
    background-color: #406de7;
    color: #fff;
    border: 0.5px solid #1f1f1f5e ;

    border-radius: 5px;
    padding: 10px 20px;
    font-size:15px ;

    }
    hr{
      margin-top: 0;
    }

  .mainsection{
   display: flex;

   justify-content: space-around;
   gap: 100px;

  }



.block1{

  width: 40%;
  display: flex;
  flex-direction: column;
  justify-content: center;
  padding: 0px 30px;
}
.block2{
  display: flex;

  gap: 50px;
  margin-top: 30px;
}
.image{
```

```css
    width: 60%;
    display: flex;
    justify-content: center;
}
.image>img{
    width: 100%;
}
h2{
    font-size: 50px;
    margin-bottom: 0;

}
.button4{
    background-color: #406de7;
    color: #fff;
    border: 0.5px solid #1f1f1f5e ;

    border-radius: 5px;

    font-size:15px ;
    padding: 10px 20px;
}
.button5{
    color: #2656d8;
    border: none;

    background-color: #fff;
    font-size:15px ;

}
.block1>p{
    margin: 10px 0px;
}

    </style>
</head>
<body>
    <div class="container">
    <nav class="header">
        <div class="logosection">
<img src="/IMAGES/logo-gmail.png" alt="gmail logo" class="logo">
<p class="gmail">Gmail</p></div>
<div class="button">
<button class="button1">For Work</button>
```

```html
<button class="button2">Sign In</button>
<button class="button3">Create an account</button></div>




    </nav>
    <hr>




    <section class="mainsection">
        <section class="block1">
        <h2>Secure, smart, and easy to use email</h2>
        <p>Get more done with Gmail. Now integrated with Google Chat, Google Meet, and more,
all in one place</p>
            <section class="block2">
              <button class="button4">Create an account</button>
              <button class="button5">For Work</button></section>
            </section >
    <section class="image">
     <img src="/IMAGES/unnamed.webp" alt="" >
     </section>
</section>
</div>

</body>
</html>
```

**QUESTION 5. Create a simple webpage with multiple columns as shown in below image
Make sure all columns have equal heights, regardless of their content.?**
ANSWER:
PROGRAM

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
```

```css
body{font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande", "Lucida
Sans", Arial, sans-serif;
    display: flex;
        justify-content: center;
        background-color: #33353c;


    }
    .container{
      width: 100%;
       max-width: 1200px;




    }
    h1{
     text-align: center;
     color: #ef6f4c;
     font-size: 32px;
     font-weight: bold;

     margin-top: 30px ;
     margin-bottom: 22px;

    }


    .main{
     display: flex;
     justify-content: center;
     gap: 20px;


    }
    .html{
     display: flex;
     flex-direction: column;
     background-color: #08f7ff;
     color: black;
     border: 5px solid black;
     width: 30%;
     align-items: center;
     border-radius: 5px;
```

```css
}
.css{
 display: flex;
 flex-direction: column;
 background-color: #de2597;
 color: black;
 border: 5px solid black;
 width: 30%;
 align-items: center;

 border-radius: 5px;

}
 .js{
 display: flex;
 flex-direction: column;
 background-color: #5212d2;
 color: black;
 border: 5px solid black;
 width: 30%;
 align-items: center;
 border-radius: 5px;
 }
.image>img{
 display:flex;
 width: 150px;
 justify-content: center;
 padding: 0;

}

.heading{
 font-size: 30px;
 font-weight: bold;
 text-align: center;
 margin-top: 30px;
 margin-bottom: 0px;
 text-align: center;
 color: black;
 }
```

```css
        .content{
         padding:0px 20px;
        }
```

```html
   </style>
</head>
<body>
    <section class="container">
       <h1>Full stack Web Development</h1>
       <section class="main">
         <div class="html">
            <h1 class="heading">HTML</h1>
            <div class="image"><img src="/IMAGES/html.webp" alt=""></div>
            <p class="content">Lorem, ipsum dolor sit amet consectetur adipisicing elit. Doloribus
culpa cupiditate labore voluptate vero provident, dignissimos, ratione adipisci nisi, illum
accusamus commodi aut. Ratione, eveniet minus! Aliquid rem mollitia pariatur, dicta vero in,
excepturi, voluptates labore debitis eos quod corporis unde magnam nobis fugiat asperiores
aspernatur animi illum maiores rerum natus totam eius obcaecati libero! Ipsa tenetur quasi quas
quo doloremque at consequuntur? Architecto iure ipsum expedita quasi iusto pariatur quis,
aperiam aliquid rerum rem atque adipisci necessitatibus sequi illum, cupiditate eaque, eum
blanditiis esse nam ipsam quisquam impedit provident. Molestiae ad sit, quod quibusdam sed
minima, fugiat repellendus corrupti sapiente deserunt rerum maxime amet quisquam nihil
mollitia ducimus iusto enim inventore praesentium accusantium magni. Aperiam ullam obcaecati
deserunt molestias?</p>
         </div>
         <div class="css">
            <h1 class="heading">CSS</h1>
            <div class="image"><img src="/IMAGES/css.webp" alt=""></div>
            <p class="content">Lorem ipsum dolor sit amet consectetur adipisicing elit. Excepturi
dolore iusto adipisci beatae sit ipsa quis quidem reprehenderit, eum tempore voluptatibus
repellendus, aliquid cupiditate culpa corrupti ea distinctio aut eveniet! Dignissimos nihil tempora
rerum excepturi. Non sapiente magnam quas, quae corrupti distinctio explicabo ipsam ab
tempora omnis voluptatibus facere deleniti, atque assumenda mollitia deserunt? Facilis,
repudiandae, ipsum eos vero aut ad voluptates quis quasi error, vel expedita magni?
Quibusdam debitis minima atque quam illum mollitia quos tempora cumque sequi
consequatur.</p>

         </div>
         <div class="js">
            <h1 class="heading">JavaScript</h1>
            <div class="image"> <img src="/IMAGES/js.png" alt=""></div>
```

```
        <p class="content">Lorem, ipsum dolor sit amet consectetur adipisicing elit.
Laudantium ab, dicta laboriosam corrupti hic quisquam illo quis ipsa assumenda magnam!
Sapiente magni sequi, optio similique modi quaerat cum voluptatem! Tempora iusto quia
reiciendis minima tempore repellendus quam hic, libero natus vitae ipsum ad temporibus
magnam, facere recusandae repudiandae quidem doloremque!</p>

        </div>


        </div>



    </section>

</body>
</html>
```

QUESTION 6.Create a simple Google search bar as shown in the image below
- **Use Google icons and free images for search icons, microphone, and Google lens images**
- **Ensure that the input field accepts text inPut and has no outline even when the user is typing ?**

ANSWER:
PROGRAM

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>

    <link rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,GR
AD@20..48,100..700,0..1,-50..200" />
    <style>

        body{
            background-color: #121111;
            display: flex;
            justify-content: center;
```

```css
    }
    .container{

        width: 100%;
        max-width: 1200px;
        display: flex;
        flex-direction: column;

        justify-content: center;
        align-items: center;
        margin: 0px 25%;
        height: 90vh;
    }


     .material-symbols-outlined {
       font-variation-settings:
       'FILL' 0,
       'wght' 400,
       'GRAD' 0,
       'opsz' 48;

       color: #6e7277;
     }

    .google1{
        width: 40%;
        margin-bottom: 40px;


    }

    .icon{
        width: 50px;

    }
    .searchbar{

        display: flex;
        height: 45px;
        gap: 10px;
        width: 100%;
        border: 1px solid #6e7277;
```

```css
        border-radius: 50px;
        align-items: center;
        padding: 5px 20px;




    }
    input{
        width: 80%;
        height: 100%;
    background-color:transparent;
    border: 0;
    color: white;
    outline: none;
    font-size: 20px;



    }



    </style>
</head>
<body>
    <div class="container">
      <img src="/IMAGES/GOOGLE.png" alt="google" class="google1">

      <div class="searchbar">
        <div><span class="material-symbols-outlined">
          search
          </span></div>
        <input type="text">
        <img src="/IMAGES/GOOGLE MIC.png" alt="" class="icon">
        <img src="/IMAGES/google_lens_logo_icon_.png" alt="" class="icon">


      </div>



    </div>
```

```
</body>
</html>
```

QUESTION 7. Create a simple webpage alert bar as shown in the below image

  ●   **Make sure the image is permanently fixed to the top of the screen. ?**

ANSWER:

PROGRAM

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,GR
AD@20..48,100..700,0..1,-50..200" />
    <style>
        .container{
         width: 98%;
         height: 50px;
         background-color: #fcc4c4;
         color: #ef3535;
         border-radius: 10px;
         border-left: 5px solid #ef3535 ;
         margin-top: 10px;
         justify-content: space-between;
         align-items: center;
         display: flex;
         position: fixed;
         top: 0;
         font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande",
        "Lucida Sans", Arial, sans-serif;

         }
```

```
        .material-symbols-outlined {
          font-variation-settings:
          'FILL' 0,
          'wght' 400,
          'GRAD' 0,
          'opsz' 48;
          padding: 0px 20px;
          font-size: 30px;
        }
</style>

      </style>
</head>
<body>
    <div class="container">
      <span class="material-symbols-outlined">
        warning
        </span>
        <p>Warning!! This Action Is Not Allowed.</p>

      <span class="material-symbols-outlined">
        close
        </span>


    </div>

</body>
</html>
```

QUESTION 8 Create a simple avatar design as shown in the image below
  ● **Pick any 4 random images and achieve the output ?**
ANSWER:
PROGRAM

```
<!DOCTYPE html>
<html lang="en">
```

```html
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        body{

            background-color: #2c2929;
        }
        .photo{
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;



        }
        img{
            width: 200px;
            border: 10px solid white;
            border-radius: 50%;
            margin-left: -50px;
        }
        .photo1{z-index: 4;}
        .photo2{z-index: 3;}

        .photo3{z-index: 2;}

        .photo4{z-index: 1;}



    </style>

</head>
<body>
    <div class="photo">
        <img src="/IMAGES/1.jpg" alt="" class="photo1">
        <img src="/IMAGES/2.webp" alt="" class="photo2">
        <img src="/IMAGES/3.avif" alt="" class="photo3">
        <img src="/IMAGES/12.avif" alt="" class="photo4">
    </div>
</body>
```

</html>