Module 7: Css3 - Transition,Transform Display visibility Animation and more
- **Emmet abbreviations use kore kaj korle kaj sohoj hobe.**
  - **.box*4** dile div er vitor box class soho 4 ta div element toiri hobe
  - .box.container*3>.inner{box-$} tahole **box container** duita alada class hobe r protita div a class hobe **inner** r box no. 1 2 3 evabe
- **visibility**: hidden property use korle jei class ta te use korbo seta just hide hoye jabe but duniya theke ber hobena jaiga ta faka thakbe.. Edike,
  - **display:none;** property use korle duniya theke nai hoye jabe..
- **Overflow**: overflow mane to jani e upchai pora.. Text ba css a kichu property ache jeta use na korle ei overflow somossa hoi.. Even jesob page a onek information dea lage sekhane beshi content ba text rakhte overflow use kora lage..
  - **Overflow**:scroll; ei property use korle duidikei scroll bar toiri hobe proyojon jodio akdike.. Tai ekhetre overflow er axis diye dite hobe,
    - **overflowY**: scroll; or overflowX: scroll; or overflow:scroll; overflowX: hidden;
  - **Text-overflow**: ellipsis; eta use korle sathe overflow: hidden use korte hobe.. Etar output asbe text overflow na hoye 3 ta dot chole asbe margin er end a..tobe ekhetre text er tag er vitore title attribute use kore sekhane full text likhe dite hobe., etake tooltip bole
- **Using font awesome:** font awesome holo style kora font. As like icon.. Segulo font hisebe defined. Segulor size barate hole font-size baraite hobe..
  - [Font Awesome](#) wi link a jeye mail diye login kore script tag paoa jabe seta copy kore html file a rakhte hobe.. Then,
    - Jei icon use kora dorkar seta te click kore <i class="....> ei type kichu paoa jabe seta copy kore html file a nite hobe..
      - Icon color ba size ba ja kichu design change korte chaile css a oi <i class er property niye kaj korte hobe.
- **transform:scale(0.5);** eta use korle element er size kome bare.. Chaile x and y axis eo komano jai..
  - **transform:rotate(30deg);** eita dile element 30degree rotate korbe clockwise r jodi -30deg value dea hoi tobe counter-clockwise rotate korbe..
  - Scale and rotate aksathei use kora jabe. Transform: scale(x,y) rotate(30deg);
  - translate(x, y)/ translateX(50px)/ translaetY(50px): ei function akta element ke horizontal or vertical position a niye jai.
    - translate(100px);
  - [CSS transform property](#)
- Transition: ei property use korle minimum duita value ditei hobe transition er vitore.
  - transition: transition-property transition-duration transition-timing-function transition-delay;

```
.box{ width: 100px;
    height: 100px;
    border: 2px solid red;
    background-color: cornflowerblue;
   transition: width .5s , height .5s, transform .5s  ;}
```

```
.box:hover{
      width: 200px;
      height: 200px;
      transform: rotate(180deg); }
```

- ○ [CSS | transition Property - GeeksforGeeks](#)
- ● **Animation:** Css diye animation toiri kora interesting. Akta png image namai kaj kora jai abr nije theke toiri koreo niye animate kora jai.. Amra ekhane bat and ball niye kaj korbo aktu. Ball banabo r bat download kore use korbo.

```
.field{
      border: 2px solid;
      width:900px;
      height: 500px;
      border-radius: 400px;
      background-color: yellowgreen;
      margin-left: auto;
      margin-right: auto; }
.bat { width: 290px;
        transition: transform .2s ease-in;  }
.field:hover .bat{
      transform: rotate(-60deg);
      transform-origin: top right;      }
.ball{
      width: 50px;
      height: 50px;
      background-image: linear-gradient(red, #636926);
      border: 2px solid;
      border-radius: 50px;
      position: relative;
      left: 432px;
      transition: transform .2s ease-out .2s;  }
.field:hover .ball{
      transform: translate(500px, -300px);      }
<body>
<div class="field">
      <img class="bat" src="bat.png" alt="">
      <div class="ball"></div>
  </div>
</body>
```