Batch 2 - CSS Box Model & Margin (Class Notes)

1) What is CSS Box Model?
- Every HTML element is treated as a rectangular box in CSS.
- Box model defines how size & spacing of element is calculated.
Box Model Parts (inside to outside):
1. Content - actual text/image/content
2. Padding - space between content & border
3. Border - thickness/line around element
4. Margin - space outside border (between elements)
2) Box Model Structure (Diagram Style)
[Content] inside -> Padding -> Border -> Margin outside
3) Margin Definition
- Margin = outer space of element (outside the border).
- Creates gap between elements.
- Transparent (no color).
Example:
div {
margin: 20px; /* equal space all sides */
}

```
Shorthand:
margin: 10px 20px 30px 40px;
/* top, right, bottom, left */
4) Full Code Example - Box Model in Action
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <title>Box Model Example</title>
 <style>
  .box {
   width: 200px;
   height: 100px;
   background-color: lightblue;
   /* Box model properties */
   padding: 20px;
                        /* space inside box */
   border: 5px solid blue; /* border thickness */
   margin: 30px;
                       /* space outside box */
  }
 </style>
</head>
<body>
```

