MERN Stack Journey 🚀

Class 4: Introduction to CSS – Part 3 (Fonts & Text Styling)

---

1. Font Family

Definition

The CSS `font-family` property specifies the **type of font** used for text in an HTML element.

Example:

```
@import url("https://fonts.googleapis.com/css2?family=Roboto&display=swap");

.main-heading {
  font-family: "Roboto";
}

.paragraph {
  font-family: "Roboto";
}
```

Common Font Family Values

- Roboto
- Caveat
- Lobster
- Bree Serif
- Playfair Display
- Monoton
- Playfair Display SC

Important Notes

- Font stylesheets must be **imported** before using fonts
- Font names must be written **correctly**
- Font family values must be inside **double quotes**

MCQ Practice

Q1. Which of the following is a valid value of the CSS property `font-family`**?**

A) blue
B) "Roboto"

C) red
D) center

✅**Answer:** B

Q2. To use font families, their style sheets should be imported into the CSS file.

A) True
B) False

✅**Answer:** True

Q3. We can change the type of font in a text using the CSS `font-family` property.

A) Yes
B) No

✅**Answer:** Yes

---

2. Font Size

Definition

The CSS `font-size` property specifies the **size of the text**.

Example:

```css
.main-heading {
  font-size: 36px;
}

.paragraph {
  font-size: 28px;
}
```

Important Notes

- Always use `px` with numbers
- No space between number and `px`
- Do not use quotes

MCQ Practice

Q1. Fill in the blank with an appropriate value for the CSS property.

```css
.paragraph {
  font-size: _____;
}
```

A) center
B) blue
C) "Roboto"
D) 20px

✅**Answer:** D

Q2. There shouldn't be any space between the number and `px` **.**

A) True
B) False

✅**Answer:** True

---

3. Font Style

Definition

The CSS `font-style` property specifies the **style of the font**.

Valid Values

- normal
- italic
- oblique

Example:

```css
.main-heading {
  font-style: italic;
}

.paragraph {
  font-style: normal;
}
```

MCQ Practice

Q1. Fill in the blank with an appropriate value.

```
.paragraph {
  font-style: _____;
}
```

A) 20px
B) italic
C) blue
D) "Roboto"

✅**Answer:** B

Q2. There shouldn't be any quotations around the value of the `font-style` **property.**

A) True
B) False

✅**Answer:** True

---

4. Font Weight

Definition

The CSS `font-weight` property specifies **how thick or thin** the text appears.

Example:

```
.main-heading {
  font-weight: bold;
}

.paragraph {
  font-weight: 200;
}
```

Valid Values

- normal, bold, bolder, lighter
- 100 to 900 (multiples of 100)

MCQ Practice

Q1. The CSS _ property specifies how thick or thin characters in text should be displayed.

```

A) font-style
B) font-family
C) font-size
D) font-weight

✅**Answer:** D

---

**Q2. There shouldn't be any quotations around the value of the `font-weight` property.**

A) True
B) False

✅**Answer:** True

---

**Q3. Fill in the blank with an appropriate value.**

```
.paragraph {
  font-weight: _____;
}
```

A) 400
B) 400px
C) italic
D) 1000

✅**Answer:** A

---

# 5. Text Decoration

## Definition

The CSS `text-decoration` property specifies **decorations applied to text**.

## Valid Values

| Value | Description |
| --- | --- |
| underline | Underlines text |
| line-through | Strikes through text |
| overline | Adds line above text |

**Example:**

```css
.main-heading {
  text-decoration: underline;
}

.paragraph {
  text-decoration: overline;
}
```

MCQ Practice

Q1. Fill in the blank with an appropriate value.

```css
.paragraph {
  text-decoration: _____;
}
```

A) bold
B) underline
C) "Roboto"
D) 20px

✅**Answer:** B

Q2. The CSS property `text-decoration` and value `line-through` must be hyphenated.

A) True
B) False

✅**Answer:** True

---

6. Complete Working Code

index.html

```html
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <h1 class="main-heading">Tourism</h1>
    <p class="paragraph">Plan your trip wherever you want to go</p>
```

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

style.css

```css
@import url("https://fonts.googleapis.com/css2?family=Roboto&display=swap");

.main-heading {
  font-family: "Roboto";
  font-size: 36px;
  font-style: italic;
  font-weight: bold;
  text-decoration: underline;
}

.paragraph {
  font-family: "Roboto";
  font-size: 28px;
  font-style: normal;
  font-weight: 200;
  text-decoration: overline;
}
```

7. Interview Questions (Class 4 – CSS Fonts)

Basic Level

1. What is `font-family` in CSS?
2. Why do we import Google Fonts?
3. Difference between `font-size` and `font-weight`?
4. What does `text-decoration` do?

Medium Level

1. Why are quotes required in `font-family`?
2. What happens if an invalid font-weight is used?
3. Difference between `italic` and `oblique`?

Sample Interview Answer

"CSS font properties allow us to control how text looks on a webpage, including its font, size, style, thickness, and decoration. This helps improve readability and design consistency."

Summary

- `font-family` controls font type
- `font-size` controls text size
- `font-style` controls italic/normal text
- `font-weight` controls thickness
- `text-decoration` adds visual emphasis

⚙️**Next Class:** CSS Box Model (Margin, Padding, Border)

 # Prepared as part of my MERN Stack Journey