



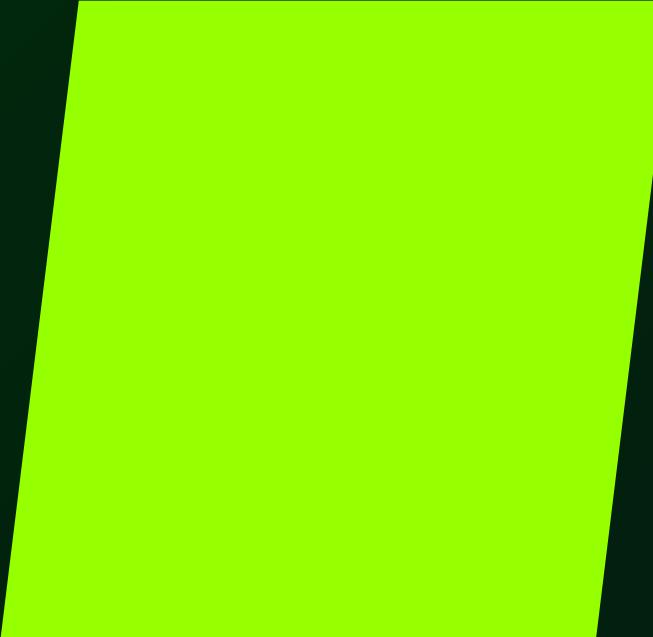
# CSS MEDIA QUERIES

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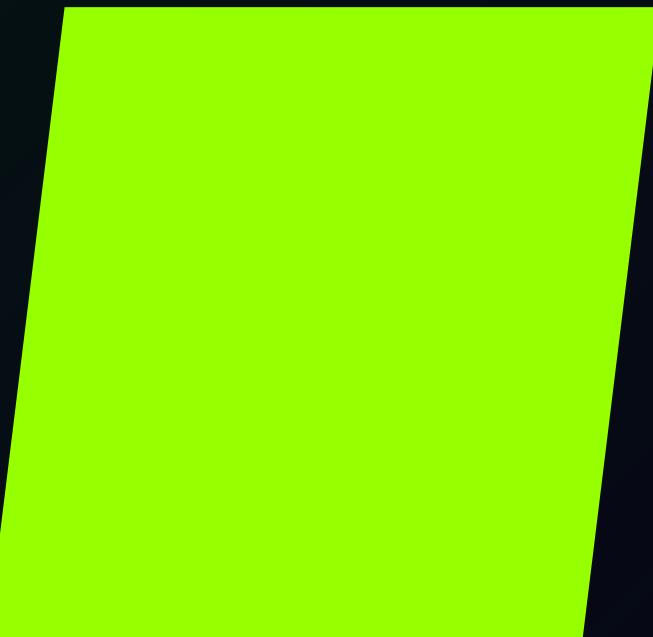
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1. Introduction to Media queries
1. Implementing Media queries

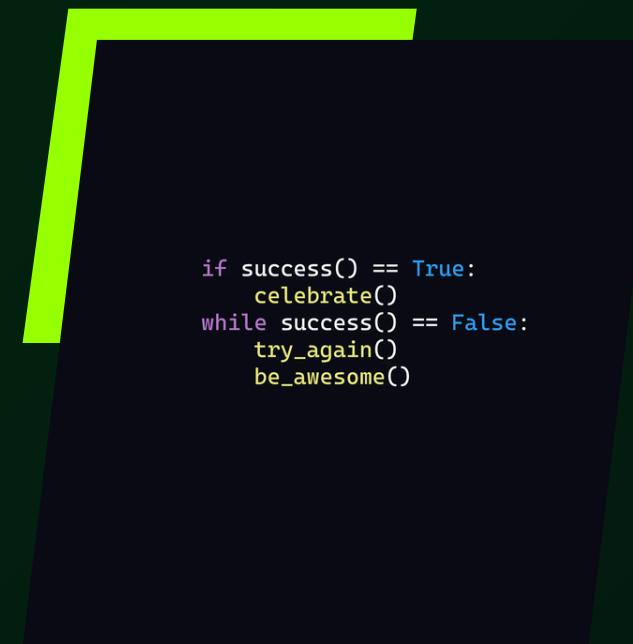


*Section 1*

# INTRODUCTION TO MEDIA QUERIES



# What are Media Queries ?



## Definition

Media queries in CSS allow for the adaptation of styles based on various device characteristics such as screen width, height, orientation, and resolution.



## Syntax

The @media rule is used to apply different styles for different media types and conditions, providing a powerful tool for responsive web design.



## Benefits

Media queries enable the creation of a consistent user experience across a wide range of devices, from desktops to smartphones.

# Types of Media Features

## Media Types

Media queries can target specific media types such as screen, print, or speech, ensuring that styles are tailored to the intended output.

## Media Features

These include properties like width, height, aspect ratio, and orientation, allowing for precise customization based on device capabilities.

## Resolution and Color

Media queries can also adapt styles based on the device's resolution and color depth, optimizing the visual presentation.



# Using Media Queries in CSS

01

## Responsive Design

Media queries are fundamental to responsive web design, enabling the creation of layouts that adapt to different devices and screen sizes.

02

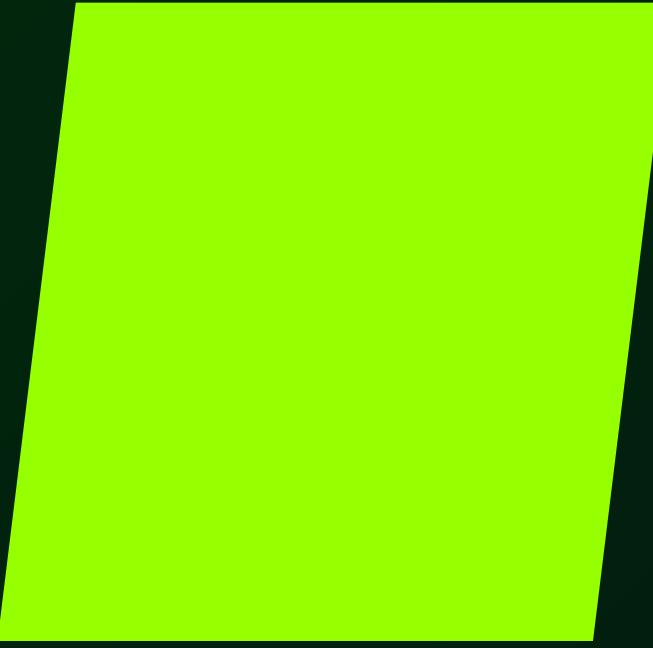
## Viewport Units

CSS viewport units like vw and vh can be combined with media queries to create fluid and flexible designs that respond to the user's viewport dimensions.

03

## Best Practices

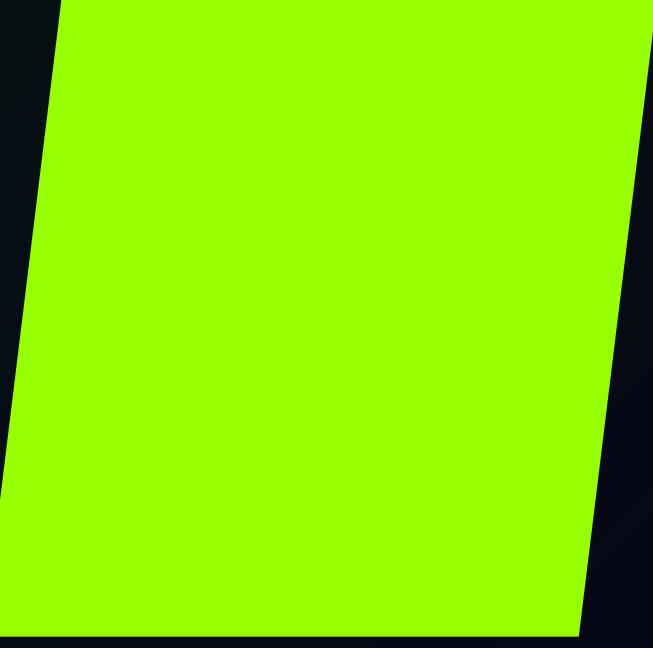
Understanding the intricacies of media queries and their application is crucial for crafting modern, user-friendly web interfaces.



## *Section 2*



# IMPLEMENTING MEDIA QUERIES

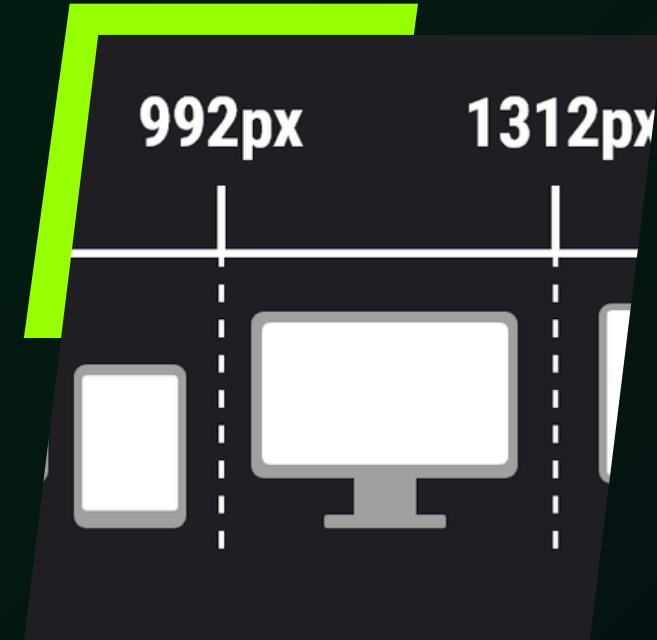


# Creating Responsive Layouts



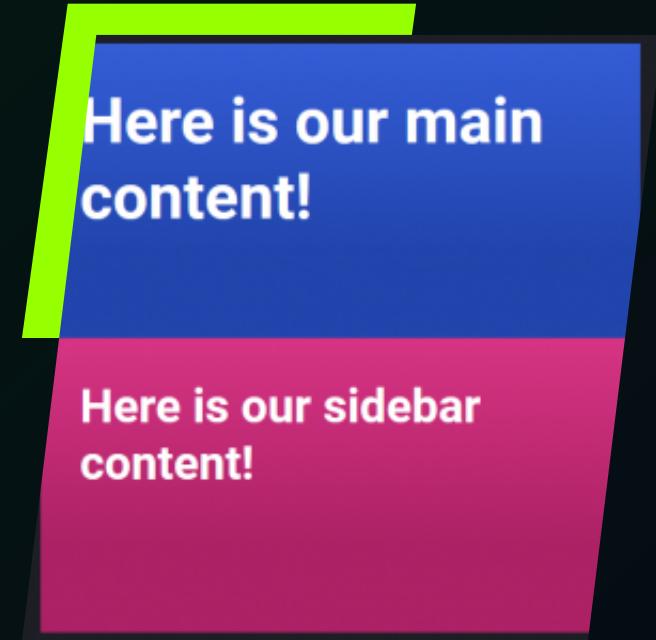
## Mobile-First Approach

Designing for mobile devices first and then progressively enhancing the layout for larger screens is a common strategy facilitated by media queries.



## Breakpoints

Media queries are used to define breakpoints at which the layout and design of a website will adapt to provide an optimal user experience.



## Flexibility

By leveraging media queries, websites can seamlessly adjust their content and design to suit the diverse array of devices and screen sizes.



# Advanced Techniques and Considerations

01

## Complex Layouts

Media queries can be utilized to create complex and adaptive layouts that cater to a wide range of devices and screen resolutions.

02

## Device Compatibility

Understanding the compatibility of media queries across different browsers and devices is crucial for ensuring a consistent user experience.

03

## Future Trends

Exploring the evolving landscape of media queries and responsive design, including the potential impact of emerging technologies on the use of media queries..

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# THANK YOU

KULDIP DAS

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