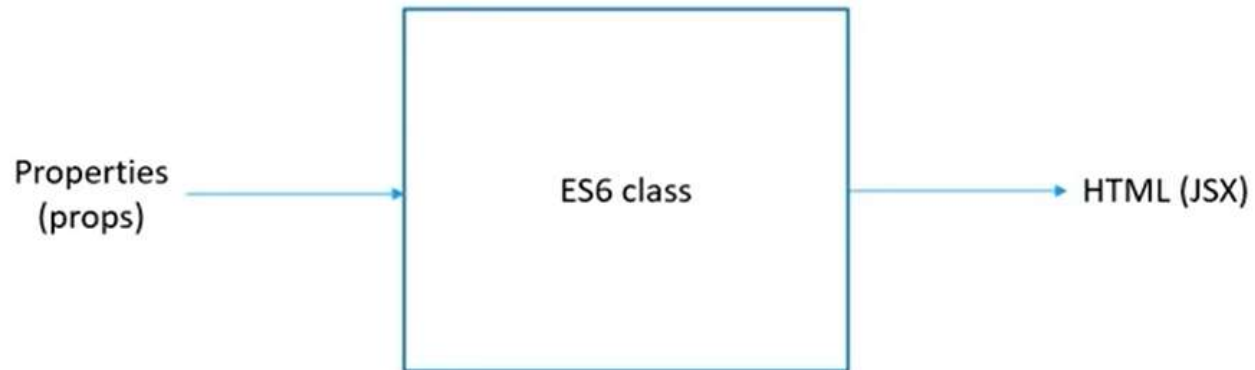


# HOW TO USE ES6 IN REACT





# Classes





# Arrow Function

- ES6 arrow functions provide you with an alternative way to write a shorter syntax compared to the function expression.
- It allows you to create functions in a cleaner way compared to regular functions.
- If you use arrow functions within render, each call to render will create new function objects.



# React "This" Keyword

## **Regular function:**

The "this" represents the object that called the function.

It means there is an different objects depending on how the function was called, which could be the window, the document, a button or whatever.

## **Arrow function:**

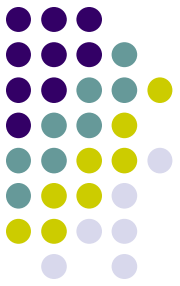
The "this" keyword always represent the object that defined the arrow function.

No matter who called the function.



# Spread Operator [...]

- The Spread operator lets you expand an iterable like an object, string, or array into its elements while the Rest operator does the inverse by reducing a set of elements into one array.
- The spread operator makes deep copies of data.
- allows us to quickly copy all or part of an existing array or object into another array or object. If the data is not nested.



# Modules

- Modules allow you to break up your code into separate files.
- This makes it easier to maintain the code-base.
- ES Modules rely on the **import** and **export** statements.

## **Export ways :**

Named Export

Default Export



# Destructuring

- In destructuring, It does not change an array or any object, it makes a copy of the desired object or array element by assigning them in its own new variables, later we can use this new variable in React (class or functional) components.
- It makes the code more clear.
- Extract multiple values from an object or array and assign them to variables simultaneously.



# Ternary Operator

- The conditional (ternary) operator is the only operator that takes three operands: a condition followed by a question mark ( ? ), then an expression to execute if the condition is truthy followed by a colon ( : ), and finally the expression to execute if the condition is false.
- we can display the contents on the basis of one condition where everything depends on the condition true and false we can put the contents on the conditional basis.





# SUMMARY

- ES6 Concepts in React
  - Classes
  - Modules
  - this Keyword
  - Arrow Function
  - Variables (let, const, var)
  - Spread Operator
  - Destructuring
  - Array Methods like .map()
  - Ternary Operator

# QUERIES

An abstract graphic featuring several overlapping circles in shades of green, blue, and yellow. A magnifying glass with a grey handle and frame is positioned over the right side of the image. The word "QUERIES" is written in large, white, bold, sans-serif capital letters on the left side. The background is dark blue with faint, blurred text that appears to be code or technical documentation.