ASSESSMENT OF ON JOB TRAINING-2

Role of intern in organization

- ❖ **During OJT-1,I was assigned as a software intern and learnt about different frontend technologies.**
- ❖ **Continued in the same role and learnt some more web technology tools and utilize them efficiently.**

Technical knowledge during OJT-2

❖ Bootstrap

❖ JavaScript

BOOTSTRAP

1. Bootstrap is an open-source front-end framework that was created by twitter in 2011.
2. It is designed to simplify the process of building responsive and mobile-first websites.
3. Bootstrap provides a set of pre-designed UI components, such as buttons, forms, and navigation bars, as well as a grid system for laying out content.

KEY FEATURES OF BOOTSTRAP

❖ **Responsive design**

❖ **Pre-built UI components**

❖ **Customization**

❖ **Cross-browser compatibility**

❖ **Extensive documentation:**

BOOTSTRAP USAGE

❖ **Bootstrap is simple and effective because it uses predefined classes to apply formatting**
❖ **Use class attribute within HTML tags to apply text-formatting.**
❖ **For e.g. <p class="h1"></p>**
❖ **In this example even though it is a p-tag, It has all the properties of a h1 tag.**

Rolls Royce

"Strive for perfection in everything you do"

About:

Image of Rolls Royce

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About:

Feb 20,2024

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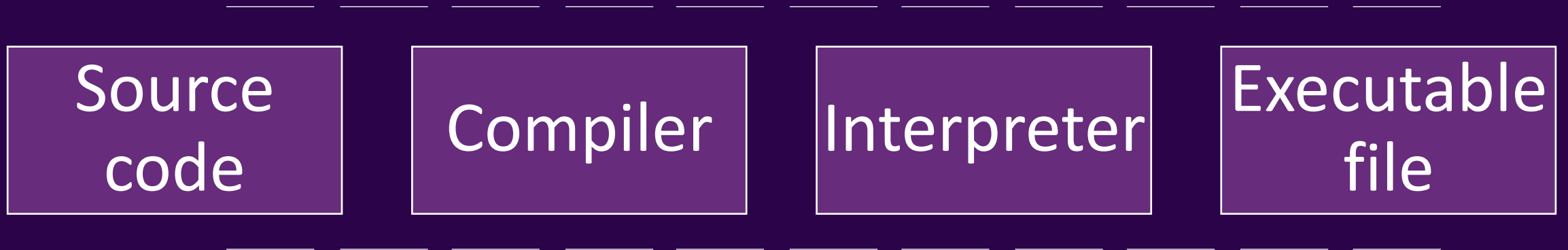### Introducing:Rolls Royce Boat Tail

Feb 20,2024

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JAVASCRIPT

❖ JavaScript, created by Brendan Eich in 1995, was originally called Mocha and later Livescript.

❖ It was developed for client-side web development, enabling dynamic and interactive web pages. initially used in Netscape navigator, it was quickly adopted by Microsoft for internet explorer.

❖ JavaScript's popularity grew, contributing to the development of web applications, games, and form validation.

JAVASCRIPT ENGINE

Source code	Compiler	Interpreter	Executable file

DATATYPES

1. Number
2. String
3. Boolean:
4. Object
5. Array
6. null
7. undefined

CONDITIONAL STATEMENTS

1. If statement
2. else statement
3. Else if statement
4. Nested if else

LOOPING STATEMENTS

1. For loop
2. while loop
3. Do-while loop

JS FUNCTIONS

❖A function in JavaScript is a block of code design to perform a specific task. You can create a function using the "function" keyword followed by the function name, parenthesis (),and curly braces { } which contain the function body.

❖Call a function using function name followed by parenthesis to run the function.

ASYNC FUNCTIONS

Asynchronous functions are defined by "async" keyword and is used to run

Asynchronously meaning it can run independently without waiting for previous functions to finish it uses "fetch" and "await" keyword to pause execution until promise is resolved or rejected.

ARRAYS

❖ **In JavaScript, an array is a data structure that can store multiple values.**

❖ **Values are stored in indexes starting from 0**

❖ **Arrays can contain elements of different data types, such as numbers, strings, objects, and other arrays**

❖ **e.g**

```
const fruits = ['apple', 'banana', 'cherry'];
```

OBJECTS

❖ **Objects are key-value pairs where the keys are strings and the values can be of any data type.**

❖ **JSON is separate file format to store JS objects with .json extension**

❖ **e.g.**

```
let obj={"name":"person1", "age":19}
```

EVENTS

Adds a event to html elements,only performs an action when event condition is met

- ❖ onclick();-only when click
- ❖ ondblclick();-only on double click
- ❖ mouseover();only if mouse in over
- ❖ mouseout();-only after mouse out
- ❖ document.GetElementById-to get tag by id
- ❖ document.GetElementByClassName get tag by class name
- ❖ document.GetElementByTagName-to get tag by tag name

JS USE CASE

TESTCASE-1

Login

Please enter valid name

Name:

12

contact:

1234567890

Submit

TESTCASE-2

Login

Enter valid contact number

Name:

Prajwal Shetty

contact:

12345

Submit

TESTCASE-3

Login

Name:

Prajwal Shetty

contact:

1234567890

Submit

JS USE CASE

TESTCASE-1

Password generator

12   Click to generate

Your newly generated password of length 12 is:
feKk2mpB045i

TESTCASE-2

Password generator

50   Click to generate

can only generate between 8 and 25 characters

THANK YOU!

Prajwal Shetty