

JavaScript Programming Guide

Introduction to JavaScript

JavaScript is a versatile, high-level programming language that is primarily used for web development. It enables interactive web pages and is an essential part of web applications.

Key Features:

- Dynamic typing
- First-class functions
- Prototype-based object-orientation
- Event-driven programming
- Asynchronous programming support

Basic Syntax:

Variables:

```
let name = "Bob";  
const age = 30;  
var isStudent = true;
```

Functions:

```
function greet(name) {  
    return ;  
}
```

Arrow Functions:

```
const add = (a, b) => a + b;
```

Objects:

```
const person = {  
    name: "Alice",  
    age: 25,  
    greet() {
```

```
    return ;  
}  
};
```

This is another sample PDF for testing the learning application.