

## Overview of JavaScript

JavaScript was developed by Netscape as a web programming language.

Characteristics:

- allows interactive content on a Web page.
- client based (works on the user machine).
- does not manipulate files.
- does not carry out graphics.

**Static write to a window:**

```
window.document.write(" This is a statement" );
```

```
< script language= " JavaScript" >  
    window.document.write(" This is a statement" );  
< /script >
```

alternate version:

```
< script language= " JavaScript" >  
    document.write(" This is a statement" );  
    document.bgcolor = " yellow" ;  
< /script >
```

**JavaScript confirm() method:**

```
var reply = confirm(" Do you like this color?" );
```

```
document.write(" Your answer was" + reply);
```

## Mouse Events:

### OnMouseOver Event Handler:

- The user moves the mouse over a particular part of the Web page.
- First, the programmer has to define the part of the Web page to be monitored.
- If the user has moved the mouse there, the program will detect this and react in some way.

```
< A HREF = “ #”  
  onMouseOver = “ document.bgColor = ‘ red’ ;  
  return true”  
>  
  Watch me!  
< /A>
```

**Note: two levels of quotes are needed.**

### OnMouseOut Event Handler:

- The user moves the mouse away from the referenced part of the Web page.
- The program will detect this and react.

```
< A HREF = “ #”  
  onMouseOver = “ document.bgColor = ‘ red’ ;  
  return true”  
  onMouseOut = “ document.bgColor = ‘ white’ ;  
  return true”  
>  
  Watch me!  
< /A>
```

## Button Events:

user clicks on a button - invokes an event handler.