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.

```html
< 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.

```html
< 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.