Review (the last session was JavaScript basics)

Control structures: sequence, selection, repetition  
Primitive data types: number, Boolean, string, null, undefined  
Operators: +, -, \*, /, %, ++, --

Selection

* Two types of selection statements: *if* and *switch*
* *Relational operators* are used in *if* statements
  + *<,* less than
  + *>,* greater than
  + *==,* equal
  + *!=,* not equal
* Examples:  
  In these examples, assume this line of code was executed first:  
  var degrees = prompt(“Enter the temperature”);
  + Single branch   
    if(degrees < 45)   
     alert(“wear a coat”);
  + Two branches  
    if(degrees < 45)   
     alert(“wear a coat”);  
    else  
     alert(“enjoy the warm weather!”);
  + Multiple branches  
    if(degrees < 32)   
     alert(“wear a warm coat”);  
    else if (degrees < 45)  
     alert(“wear a jacket”)  
    else  
     alert(“enjoy the warm weather!”);
* Selection using logical operators  
  Assume an additional line of code:  
  var wind = prompt(“Enter the wind speed”);
  + AND, &&  
    if(degrees < 60 && wind > 10)  
     alert(“wear a jacket”);
  + OR, ||  
    if(degrees < 45 || wind > 20)  
     alert(“wear a warm coat”);
  + NOT, !  
    var name = prompt(“Enter your name”);  
    if( !(name == “Han Solo”)  
     alert(“This is not your space craft!”);