1. Create a pseudocode program that creates a form and asks the user to enter the date in the format *mm/dd/yy*. Validate the form to ensure the date was entered correctly.

```
Function formVal() {
  Var sentinel
  Var askDate <- Prompt("Enter a date (mm/dd/yy): ")
  If (askDate != null AND askDate != "" AND askDate length == 8) then.. {
    If (askDate.charAt(2) != "/" OR askDate.charAt(5) != "/") then.. {
      Print("Invalid entry. (Slashes are not placed correctly if at all)")
    } Else then.. {
      Var sentinel <- TRUE
      For (Var i = 0; i < askDate length; i++) do.. {
        If ((i != 2 AND i != 5) AND IsNaN(askDate.charAt(i))) then.. {
          sentinel <- FALSE
          Print("Invalid entry. (Contains non-numeric characters)")
          Break
        }
      }
      If (sentinel) then.. {
        Print("The date was entered properly. Here it is: " + askDate)
      }
    }
  } Else then.. {
    Print("Invalid entry. (Incorrect length or field left empty)")
  }
}

formVal()
```

2. Convert the pseudocode in question one to JavaScript and test your program.

```
function formVal() {
  var sentinel;
  var askDate = prompt("Enter a date (mm/dd/yy): ");
  if (askDate != null && askDate !== "" && askDate.length === 8) {
    if (askDate.charAt(2) != "/" || askDate.charAt(5) != "/") {
      console.log("Invalid entry. (Slashes are not placed correctly if at all)");
    } else {
      var sentinel = true;
      for (var i = 0; i < askDate.length; i++) {
        if ((i !== 2 && i !== 5) && isNaN(askDate.charAt(i))) {
          sentinel = false;
          console.log("Invalid entry. (Contains non-numeric characters)");
          break;
        }
      }
      if (sentinel) {
```

```
        console.log("The date was entered properly. Here it is: " + askDate);
      }
    }
  } else {
    console.log("Invalid entry. (Incorrect length or field left empty)");
  }
}

formVal();
```