1.

var userAge = prompt("Please enter your age");

if (userAge < 4) {

alert("So you're a baby!");

} else if (userAge < 0 || userAge > 200) {

alert("I think you may be lying about your age");

} else {

alert("That's a good age");

}

2.

<html>

<body>

<script language=JavaScript>

var timesTable = 12;

var timesBy;

for (timesBy = 1; timesBy < 13; timesBy++) {

document.write(timesTable + " \* " + timesBy + " = " + timesBy \* timesTable +

"<br>");

}

</script>

</body>

</html>

3.

<html>

<body>

<script language=JavaScript>

function writeTimesTable(timesTable, timesByStart, timesByEnd)

{

for (;timesByStart <= timesByEnd; timesByStart++)

{

document.write(timesTable + " \* " + timesByStart + " = " +

timesByStart \* timesTable + "<br>");

}

}

writeTimesTable(4,4,9);

</script>

</body>

</html>

4.

<html>

<body>

<script language=JavaScript>

function writeTimesTable(timesTable, timesByStart, timesByEnd) {

for (; timesByStart <= timesByEnd; timesByStart++) {

document.write(timesTable + " \* " + timesByStart + " = " +

timesByStart \* timesTable + "<br>");

}

}

var timesTable;

while ((timesTable = prompt("Enter the times table", -1)) != -1) {

while (isNaN(timesTable) == true) {

timesTable = prompt(timesTable + " is not a valid number, please retry", -1);

}

if (timesTable == -1) {

break;

}

document.write("<br>The " + timesTable + " times table<br>");

writeTimesTable(timesTable, 1, 12);

}

</script>

</body>

</html>