1. How many times will the following loop execute?

* let i = 0;  
  while (i < 3) {  
   console.log(i);  
   i++;  
  }
  + 1. 3
    2. 2
    3. 4
    4. Infinite

1. What is the output of the following code?

* let i = 5;  
  while (i > 0) {  
   console.log(i);  
   i--;  
  }
  + 1. 5, 4, 3, 2, 1
    2. 4, 3, 2, 1, 0
    3. 5, 4, 3, 2, 1, 0
    4. 5, 4, 3, 2

1. How many times will this loop execute?

* let i = 2;  
  while (i <= 6) {  
   i++;  
  }
  + 1. 4
    2. 5
    3. 6
    4. Infinite

1. What is printed by the following code?

* let count = 0;  
  while (count < 3) {  
   console.log(count);  
   count++;  
  }
  + 1. 1, 2, 3
    2. 0, 1, 2
    3. 2, 1, 0
    4. 3, 2, 1

1. How many times does the loop run?

* let i = 10;  
  while (i > 0) {  
   i -= 2;  
  }
  + 1. 5
    2. 4
    3. 6
    4. 3

1. What will this loop print?

* let i = 1;  
  while (i < 5) {  
   console.log(i);  
   i += 2;  
  }
  + 1. 1, 3
    2. 1, 3, 5
    3. 2, 4
    4. 1, 2, 3, 4

1. What will happen if i starts at 0?

* let i = 0;  
  while (i) {  
   console.log(i);  
  }
  + 1. 0
    2. Infinite loop
    3. No output
    4. 1

1. What is the output of this while loop?

* let i = 0;  
  while (i++ < 3) {  
   console.log(i);  
  }
  + 1. 0, 1, 2
    2. 1, 2, 3
    3. 2, 3, 4
    4. 1, 2, 3, 4

1. How many times will this loop run?

* let i = 1;  
  while (i <= 5) {  
   i \*= 2;  
  }
  + 1. 2
    2. 3
    3. 4
    4. Infinite

1. What will the following code output?

* let i = 3;  
  while (i) {  
   console.log(i);  
   i--;  
  }
  + 1. 3, 2, 1
    2. 3, 2, 1, 0
    3. 0, 1, 2, 3
    4. No output

1. What is printed by this loop?

* let i = 1;  
  while (i < 4) {  
   console.log(i);  
   if (i === 2) break;  
   i++;  
  }
  + 1. 1, 2
    2. 1, 2, 3
    3. 1, 2, 3, 4
    4. Infinite loop

1. How many times does this do...while loop execute?

* let i = 0;  
  do {  
   i++;  
  } while (i < 5);
  + 1. 4
    2. 5
    3. 6
    4. Infinite loop

1. What is the output of this code?

* let i = 5;  
  do {  
   console.log(i);  
   i--;  
  } while (i > 2);
  + 1. 5, 4, 3
    2. 5, 4, 3, 2
    3. 5, 4
    4. Infinite loop

1. What is printed by this loop?

* let i = 1;  
  do {  
   console.log(i);  
   i++;  
  } while (i < 4);
  + 1. 1, 2, 3
    2. 1, 2, 3, 4
    3. 0, 1, 2
    4. 3, 2, 1

1. What is printed by this loop?

* let count = 0;  
  do {  
   console.log(count);  
  } while (false);
  + 1. 0
    2. 1
    3. Infinite loop
    4. No output

1. What will this code output?

* let i = 1;  
  do {  
   i++;  
  } while (i <= 1);  
  console.log(i);
  + 1. 1
    2. 2
    3. 3
    4. 0

1. How many times will this loop run?

* let i = 3;  
  do {  
   console.log(i);  
   i--;  
  } while (i >= 1);
  + 1. 3
    2. 4
    3. 5
    4. Infinite loop

1. How many times will the do...while loop iterate in this example?

* let i = 10;  
  do {  
   console.log(i);  
   i -= 3;  
  } while (i > 0);
  + 1. 3
    2. 4
    3. 5
    4. Infinite

1. What is the result of this loop?

* let i = 0;  
  while (i < 2) {  
   i++;  
   if (i === 2) break;  
   console.log(i);  
  }
  + 1. 1
    2. 1, 2
    3. 0, 1
    4. 0, 1, 2

1. What will happen in this do...while loop?

* let i = 0;  
  do {  
   console.log(i);  
  } while (i > 0);
  + 1. 0
    2. No output
    3. Infinite loop
    4. Error

1. How many times will the inner loop run in total?

* let i = 0;  
  while (i < 3) {  
   let j = 0;  
   while (j < 2) {  
   console.log(i, j);  
   j++;  
   }  
   i++;  
  }
  + 1. 6
    2. 4
    3. 5
    4. 9

1. How many times will both loops iterate?

* let i = 1;  
  while (i <= 3) {  
   let j = 1;  
   while (j <= i) {  
   console.log(i, j);  
   j++;  
   }  
   i++;  
  }
  + 1. 9
    2. 6
    3. 4
    4. 7

1. What will this nested loop print?

* let i = 0;  
  while (i < 2) {  
   let j = i;  
   while (j >= 0) {  
   console.log(i, j);  
   j--;  
   }  
   i++;  
  }
  + 1. 0, 0; 1, 0; 1, 1
    2. 1, 0; 1, 1
    3. 0, 0; 1, 0
    4. 1, 1; 0, 0

1. How many total iterations will occur?

* let i = 0;  
  while (i < 4) {  
   let j = i;  
    
    
   do {  
   console.log(j);  
   j--;  
   } while (j > 0);  
   i++;  
  }
  + 1. 5
    2. 6
    3. 7
    4. 8

1. How many total iterations will this nested loop perform?

* let i = 0;  
  while (i < 3) {  
   let j = 0;  
   do {  
   console.log(j);  
   j++;  
   } while (j < 3);  
   i++;  
  }
  + 1. 6
    2. 9
    3. 12
    4. 3

1. What will happen with the following nested while loop?

* let i = 0;  
  while (i < 3) {  
   let j = 0;  
   while (j < 2) {  
   if (i === 1) break;  
   console.log(i, j);  
   j++;  
   }  
   i++;  
  }
  + 1. 0, 0; 0, 1; 2, 0; 2, 1
    2. 0, 0; 1, 0; 2, 0; 2, 1
    3. Infinite loop
    4. Error

1. What is the output of this nested loop?

* let i = 0;  
  do {  
   let j = 0;  
   do {  
   console.log(i, j);  
   j++;  
   } while (j < 2);  
   i++;  
  } while (i < 2);
  + 1. 0, 0; 0, 1; 1, 0; 1, 1
    2. 0, 1; 1, 0
    3. 1, 0; 1, 1
    4. 0, 0; 1, 1

1. How many total iterations will occur in this nested loop?

* let i = 1;  
  do {  
   let j = i;  
   while (j > 0) {  
   console.log(j);  
   j--;  
   }  
   i++;  
  } while (i <= 3);
  + 1. 3
    2. 5
    3. 6
    4. 7

1. How many times will the outer loop run?

* let i = 2;  
  while (i < 5) {  
   let j = 1;  
   while (j < i) {  
   console.log(i, j);  
   j++;  
   }  
   i++;  
  }
  + 1. 3
    2. 5
    3. 4
    4. 6

1. How many times will the do...while loop run in total?

* let i = 0;  
  do {  
   let j = 3;  
   while (j > i) {  
   console.log(j);  
   j--;  
   }  
   i++;  
  } while (i < 3);
  + 1. 6
    2. 9
    3. 7
    4. 8

1. What is the result of this loop?

* let i = 3;  
  while (i > 0) {  
   let j = 0;  
   do {  
   console.log(i, j);  
   j++;  
   } while (j < i);  
   i--;  
  }
  + 1. 3, 0; 3, 1; 3, 2; 2, 0; 2, 1; 1, 0
    2. 3, 0; 3, 1; 3, 2; 2, 0; 2, 1
    3. 3, 2; 2, 1; 1, 0
    4. Infinite loop

1. How many total iterations will this nested loop perform?

* let i = 1;  
  while (i <= 3) {  
   let j = i;  
   do {  
   console.log(i, j);  
   j--;  
   } while (j > 0);  
   i++;  
  }
  + 1. 5
    2. 6
    3. 9
    4. 4

1. How many iterations occur in this example?

* let i = 2;  
  while (i < 4) {  
   let j = 0;  
   do {  
   console.log(i, j);  
   j++;  
   } while (j < 2);  
   i++;  
  }
  + 1. 4
    2. 6
    3. 3
    4. 5

1. How many times does the following nested loop print output?

* let i = 1;  
  while (i <= 2) {  
   let j = 1;  
   while (j <= 2) {  
   console.log(i, j);  
   j++;  
   }  
   i++;  
  }
  + 1. 4
    2. 2
    3. 5
    4. 6

1. What will the output of this nested while loop be?

* let i = 0;  
  while (i < 2) {  
   let j = 2;  
   while (j > 0) {  
   console.log(i, j);  
   j--;  
   }  
   i++;  
  }
  + 1. 0, 2; 0, 1; 1, 2; 1, 1
    2. 0, 0; 1, 0
    3. 2, 1; 1, 1
    4. 0, 0; 1, 1

1. What will this code output?

* let i = 0;  
  while (i < 3) {  
   let j = 3;  
   do {  
   console.log(i, j);  
   j--;  
   } while (j > 0);  
   i++;  
  }
  + 1. 3, 2; 2, 1
    2. 0, 3; 0, 2; 0, 1; 1, 3; 1, 2; 1, 1; 2, 3; 2, 2; 2, 1
    3. 3, 0; 2, 1
    4. Infinite loop

1. What will the following code output?

* let i = 2;  
  while (i > 0) {  
   let j = i;  
   do {  
   console.log(i, j);  
   j--;  
   } while (j > 0);  
   i--;  
  }
  + 1. 2, 2; 2, 1; 1, 1
    2. 1, 0; 2, 1
    3. 2, 2; 1, 1
    4. Infinite loop

1. What will this code output?

* let i = 1;  
  while (i <= 3) {  
   let j = 1;  
   do {  
   if (j === 2) break;  
   console.log(i, j);  
   j++;  
   } while (j <= 3);  
   i++;  
  }
  + 1. 1, 1; 2, 1; 3, 1
    2. 1, 1; 2, 2; 3, 3
    3. 1, 1; 1, 2; 1, 3
    4. Infinite loop

1. What is printed by this code?

* let i = 1;  
  do {  
   let j = 3;  
   while (j > i) {  
   console.log(i, j);  
   j--;  
   }  
   i++;  
  } while (i < 3);
  + 1. 1, 3; 1, 2
    2. 1, 3; 1, 2; 2, 3
    3. 1, 1; 1, 2; 1, 3
    4. 2, 3; 3, 3

1. What will happen when this code executes?

* let i = 0;  
  while (i < 2) {  
   let j = i;  
   while (j < 3) {  
   if (j === 1) continue;  
   console.log(i, j);  
   j++;  
   }  
   i++;  
  }
  + 1. Infinite loop
    2. No output
    3. Error
    4. No infinite loop, but no output due to continue

1. What will this nested loop print?

* let i = 3;  
  do {  
   let j = 2;  
   while (j > 0) {  
   if (j === 1) break;  
   console.log(i, j);  
   j--;  
   }  
   i--;  
  } while (i > 0);
  + 1. 3, 2; 2, 2; 1, 2
    2. 3, 2; 3, 1; 2, 2
    3. 1, 1; 2, 2
    4. 1, 0; 2, 1

1. What will be printed in this nested loop?

* let i = 1;  
  while (i <= 3) {  
   let j = 3;  
   while (j > i) {  
   console.log(j);  
   j--;  
   }  
   i++;  
  }
  + 1. 3, 2
    2. 3, 2; 3, 2
    3. 3, 2; 2, 1
    4. Infinite loop

1. What will this do...while loop print?

* let

i = 4; do { let j = i; while (j > 2) { console.log(i, j); j–; } i–; } while (i > 2); ``` - A) 4, 4; 4, 3; 3, 3 - B) 4, 4; 3, 3 - C) 4, 3; 3, 2 - D) Infinite loop

1. How many times will the do...while loop print values?

* let i = 0;  
  do {  
   let j = 3;  
   while (j > i) {  
   console.log(i, j);  
   j--;  
   }  
   i++;  
  } while (i < 2);
  + 1. 4
    2. 6
    3. 5
    4. 7

1. How many total iterations in this nested loop?

* let i = 2;  
  while (i > 0) {  
   let j = i;  
   do {  
   console.log(j);  
   j--;  
   } while (j > 0);  
   i--;  
  }
  + 1. 2
    2. 4
    3. 3
    4. 5

1. What will this code output?

* let i = 0;  
  while (i < 4) {  
   if (i === 2) {  
   console.log("Special case");  
   }  
   i++;  
  }
  + 1. Special case
    2. 0, 1, Special case, 3
    3. Special case, 0, 1, 3
    4. No output

1. How many times will this loop print values?

* let i = 1;  
  do {  
   if (i % 2 === 0) {  
   console.log(i);  
   }  
   i++;  
  } while (i <= 5);
  + 1. 2
    2. 3
    3. 4
    4. 5

1. What is the output of this loop?

* let i = 0;  
  while (i < 4) {  
   if (i === 2) break;  
   console.log(i);  
   i++;  
  }
  + 1. 0, 1, 2
    2. 0, 1
    3. 0, 1, 3
    4. Infinite loop

1. What will be the result of the following code?

* let i = 1;  
  while (i <= 5) {  
   if (i % 2 !== 0) {  
   console.log(i);  
   }  
   i++;  
  }
  + 1. 1, 2, 3, 4, 5
    2. 1, 3, 5
    3. 2, 4
    4. Infinite loop

1. What will the output of this loop be?

* let i = 3;  
  while (i > 0) {  
   let j = 0;  
   while (j < i) {  
   if (i === j) console.log("Equal");  
   j++;  
   }  
   i--;  
  }
  + 1. Equal, Equal
    2. Equal
    3. Equal, Equal, Equal
    4. No output

1. How many times will this code print values?

* let i = 1;  
  while (i <= 4) {  
   let j = 2;  
   while (j >= i) {  
   if (i % 2 === 0) console.log(i, j);  
   j--;  
   }  
   i++;  
  }
  + 1. 3
    2. 4
    3. 2
    4. 6

1. What will the output be?

* let i = 1;  
  do {  
   if (i === 3) {  
   break;  
   } else {  
   console.log(i);  
   }  
   i++;  
  } while (i <= 5);
  + 1. 1, 2
    2. 1, 2, 3
    3. 1, 2, 3, 4, 5
    4. No output

1. What will the following code output?

* let i = 0;  
  while (i < 3) {  
   let j = 0;  
   while (j < 3) {  
   if (i + j === 2) console.log(i, j);  
   j++;  
   }  
   i++;  
  }
  + 1. 0, 2; 1, 1; 2, 0
    2. 0, 2; 1, 1
    3. 0, 0; 1, 1; 2, 2
    4. Infinite loop

1. What will happen in this nested loop?

* let i = 0;  
  while (i < 5) {  
   let j = i;  
   do {  
   if (j === 2) break;  
   console.log(i, j);  
   j++;  
   } while (j < 4);  
   i++;  
  }
  + 1. 0, 0; 0, 1; 1, 1; 1, 2
    2. 0, 0; 0, 1; 1, 1; 1, 2; 2, 2
    3. 0, 0; 0, 1; 1, 1; 1, 2; 2, 2; 3, 3
    4. Infinite loop

1. How many times will this loop execute before stopping?

* let i = 5;  
  while (i >= 0) {  
   if (i === 3) break;  
   console.log(i);  
   i--;  
  }
  + 1. 5, 4
    2. 5, 4, 3
    3. 5, 4, 3, 2
    4. Infinite loop

1. What is the output of this code with if condition inside the loop?

* let i = 1;  
  do {  
   let j = i;  
   while (j > 0) {  
   if (j % 2 === 0) console.log(i, j);  
   j--;  
   }  
   i++;  
  } while (i <= 3);
  + 1. 2, 2
    2. 2, 2; 3, 2
    3. 1, 2; 2, 2; 3, 2
    4. Infinite loop

1. What is the output of this code?

* let i = 0;  
  while (i < 4) {  
   if (i === 2) {  
   console.log("Skipping");  
   i++;  
   continue;  
   }  
   console.log(i);  
   i++;  
  }
  + 1. 0, 1, Skipping, 3
    2. 0, 1, 3
    3. 0, 1, 2, 3
    4. Infinite loop

1. What will the following loop print?

* let i = 0;  
  do {  
   if (i % 2 !== 0) {  
   console.log(i);  
   }  
   i++;  
  } while (i < 5);
  + 1. 1, 3
    2. 2, 4
    3. 1, 2, 3, 4
    4. No output

1. How many iterations will occur in this code?

* let i = 1;  
  while (i < 6) {  
   if (i === 4) break;  
   console.log(i);  
   i++;  
  }
  + 1. 3
    2. 4
    3. 5
    4. Infinite loop

1. What is the final value of i in this loop?

* let i = 0;  
  while (i < 5) {  
   if (i === 3) {  
   i += 2;  
   continue;  
   }  
   console.log(i);  
   i++;  
  }
  + 1. 4
    2. 5
    3. 6
    4. Infinite loop