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SECTION: BSIT-3B

SUBJECT: WEB SYSTEMS AND TECHNOLOGIES

main.js

```
1 // Prompt user to enter their age
2 let age = prompt("Enter your age:");
3
4 // Check if age is 25 or older
5 if (age >= 25) {
6     // If true, display this message
7     alert("You are 25 years old or older!");
8 } else {
9     // If false, display this message
10    alert("You are below 25 years old.");
11 }
12
13 // Prompt user to enter a number
14 let number = prompt("Enter a number:");
15
16 // Check if the number entered is less than 100
17 if (number < 100) {
18     // If true, display this message
19     alert("You entered a number less than 100.");
20 } else {
21     // If false, display this message
22     alert("The number you entered is 100 or greater.");
23 }
24
25 // Print numbers from 0 to 30 using a for loop
26 console.log("Numbers from 0 to 30:");
27 for (let i = 0; i <= 30; i++) {
28     // Print the current value of i in the loop
29     console.log(i);
30 }
31
32 // Print even numbers from 0 to 40 using a for loop
33 console.log("Even numbers from 0 to 40:");
34 for (let i = 0; i <= 40; i++) {
35     // Check if the number is even (i.e., divisible by 2)
36     if (i % 2 === 0) {
37         // If true, print the even number
38         console.log(i);
39     }
40 }
41
42 // Print multiples of 3 from 40 down to 10 using a for loop
43 console.log("Multiples of 3 from 40 down to 10:");
44 for (let i = 40; i >= 10; i--) {
45     // Check if the current number is divisible by 3
46     if (i % 3 === 0) {
47         // If true, print the multiple of 3
48         console.log(i);
49     }
50 }
```

Run

Output

```
Enter your age:20
You are below 25 years old.
Enter a number:50
You entered a number less than 100.
Numbers from 0 to 30:
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
```

Clear

main.js

```
16 // Check if the number entered is less than 100
17 if (number < 100) {
18     // If true, display this message
19     alert("You entered a number less than 100.");
20 } else {
21     // If false, display this message
22     alert("The number you entered is 100 or greater.");
23 }
24
25 // Print numbers from 0 to 30 using a for loop
26 console.log("Numbers from 0 to 30:");
27 for (let i = 0; i <= 30; i++) {
28     // Print the current value of i in the loop
29     console.log(i);
30 }
31
32 // Print even numbers from 0 to 40 using a for loop
33 console.log("Even numbers from 0 to 40:");
34 for (let i = 0; i <= 40; i++) {
35     // Check if the number is even (i.e., divisible by 2)
36     if (i % 2 === 0) {
37         // If true, print the even number
38         console.log(i);
39     }
40 }
41
42 // Print multiples of 3 from 40 down to 10 using a for loop
43 console.log("Multiples of 3 from 40 down to 10:");
44 for (let i = 40; i >= 10; i--) {
45     // Check if the current number is divisible by 3
46     if (i % 3 === 0) {
47         // If true, print the multiple of 3
48         console.log(i);
49     }
50 }
```

Run

Output

```
30
Even numbers from 0 to 40:
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
Multiples of 3 from 40 down to 10:
39
36
33
30
27
24
21
18
15
12
```

Clear

==== Code Execution Successful ===|