

Frontend Development Milestone Test

Round 1

1. What is the function to stop an interval timer? (Easy) (Programming Fundamentals - JavaScript)

- A) stopTimer
- B) clearInterval
- C) shutdownTimer
- d) clearTimer

Answer: B

2. Consider the following async function and its output. What will be displayed to the console when calling the f() function? (Medium) (Programming Fundamentals - JavaScript)

```
async function f() {  
  let result = 'first!';  
  let promise = new Promise((resolve, reject) => {  
    setTimeout(() => resolve('done!'), 1000);  
  });  
  
  result = await promise;  
  
  console.log(result);  
}  
  
f();
```

- A) first!

- B) done!
- C) JavaScript error
- D) Something else

Answer: B

3. What are the types of lists available in HTML? (Easy) (Programming Fundamentals - HTML)

- A) Ordered, Unordered Lists.
- B) Bulleted, Numbered Lists.
- C) Named, Unnamed Lists.
- D) None of the above.

Answer: A

4. Which of the following is correct about HTML? (Easy) (Programming Fundamentals - HTML)

- A) HTML uses User Defined Tags.
- B) HTML uses tags defined within the language.
- C) Both A and B.
- D) None of the above.

Answer: B

5. How to display preformatted text in HTML? (Easy) (Programming Fundamentals - HTML)

- A) <p>
- B) <pre>
- C) <hr>
- D) All of the above

Answer: B

6. Which of the following tags doesn't require a closing tag? (Easy) (Programming Fundamentals - HTML)

- A)

- B) <hr>
- C) Both A and B
- D) None of the above

Answer: C

7. What is meant by an empty tag in HTML? (Easy) (Programming Fundamentals - HTML)

- A) There is no such concept of an empty tag in HTML
- B) An empty tag does not require a closing tag
- C) An empty tag cannot have any content within it
- D) None of the above

Answer: B

8. What are the attributes used to change the size of an image? (Easy) (Programming Fundamentals - CSS)

- A) Width and height
- B) Big and Small
- C) Top and bottom
- D) None of the above

Answer: A

9. Which attribute is used to provide a unique name to an HTML element? (Easy) (Programming Fundamentals - HTML)

- A) id
- B) class
- C) type
- D) None of the above

Answer: A

10. What is the function of the HTML style attribute? (Easy) (Programming Fundamentals - HTML)

- A) It is used to add styles to an HTML element.
- B) It is used to uniquely identify some specific styles of some element.
- C) Both A and B.
- D) None of the above.

Answer: A

11. Which of the following is the correct syntax for using the HTML style attribute? (Easy) (Programming Fundamentals - HTML)

- A) <tagName style = "property: value;">
- B) <tagName style = "property;">
- C) <tagName style >
- D) None of the above

Answer: A

12. Which HTML element is used to define description data? (Easy) (Programming Fundamentals - HTML)

- A)
- B)
- C) <dd>
- D) <dl>

Answer: C

13. Which of the following properties is used to change the font of text? (Easy) (Programming Fundamentals - CSS)

- A) font-family
- B) font-size
- C) text-align
- D) None of the above

Answer: A

14. What tag is used to render an image on a webpage? (Easy) (Programming Fundamentals - HTML)

- A) img
- B) src
- C) image
- D) None of the above

Answer: A

15. Which character is used to represent the closing of a tag in HTML? (Easy) (Programming Fundamentals - HTML)

- a. \
- b. !
- c. /
- d. .

Answer: C

16. How to create a checkbox in HTML? (Easy) (Programming Fundamentals - HTML)

- a. <input type = "checkbox">
- b. <input type = "button">
- c. <checkbox>
- d. <input type = "check">

Answer: A

17. Which of the following is true about HTML tags? (Easy) (Programming Fundamentals - HTML)

- A) Are case sensitive
- B) Are not case sensitive
- C) Are in uppercase
- D) Are in lowercase

Answer: B

18. The <hr> tag in HTML is used for - (Easy) (Programming Fundamentals - HTML)

- a. new line
- b. vertical ruler
- c. new paragraph
- d. horizontal ruler

Answer: D

19. Which of the following tag is used to add rows in the table? (Easy) (Programming Fundamentals - HTML)

- A) <td> and </td>
- B) <th> and </th>
- C) <tr> and </tr>
- D) None of the above

Answer: C

20. Which of the following is the correct way to send mail in HTML? (Easy) (Programming Fundamentals - HTML)

- A)
- B)
- C) <mail xy@y</mail>
- D) None of the above

Answer: A

21. Which is the correct way to comment out something in HTML? (Easy) (Programming Fundamentals - HTML)

- A) Using ## and #
- B) Using <!-- and -->
- C) Using </-- and -/>
- D) Using <!-- and -!>

Answer: B

22. Which of the following is the correct syntax for referring the external style sheet? (Easy) (Programming Fundamentals - CSS)

- A) <style src = example.css>
- B) <style src = "example.css" >
- C) <stylesheet> example.css </stylesheet>
- D) <link rel="stylesheet" type="text/css" href="example.css">

Answer: D

23. The CSS property used to control the element's font-size is - (Easy) (Programming Fundamentals - HTML)

- A) text-style
- B) text-size
- C) font-size
- D) None of the above

Answer: C

24. Which of the following is the correct syntax to make the background-color of all paragraph elements to yellow? (Easy) (Programming Fundamentals - CSS)

- A) p {background-color : yellow;}
- B) p {background-color : #yellow;}
- C) all {background-color : yellow;}
- D) all p {background-color : #yellow;}

Answer: A

25. Are the negative values allowed in the padding property? (Easy) (Programming Fundamentals - CSS)

- A) Yes
- B) No
- C) Can't say

D) May be

Answer: B

26. The property in CSS used to change the background color of an element is - (Easy) (Programming Fundamentals - CSS)

- a. bgcolor
- b. color
- c. background-color
- d. All of the above

Answer: C

27. The CSS property used to change the thickness of the font is - (Easy) (Programming Fundamentals - CSS)

- a. text-style
- b. text-size
- c. font-weight
- d. None of the above

Answer: C

28. Which of the following is the correct syntax to select all paragraph elements in a div element? (Easy) (Programming Fundamentals - HTML)

- A) div p
- B) p
- C) div#p
- D) div ~ p

Answer: A

29. Which type of CSS is used in the below code? (Easy) (Programming Fundamentals - CSS)

`<p style = "border:2px solid red;">`

- a. Inline CSS
- b. Internal CSS
- c. External CSS
- d. None of the above

Answer: A

30. Which of the following CSS property is used to specify whether the table cells share the common or separate border? (Easy) (Programming Fundamentals - CSS)

- A) border-collapse
- B) border-radius
- C) border-spacing
- D) None of the above

Answer: A

Round 2

Problem Statement1:

Chef has a number **D** containing only digits 0's and 1's. He wants to make the number to have all the digits same. For that, he will change **exactly** one digit, i.e. from 0 to 1 or from 1 to 0. If it is possible to make all digits equal (either all 0's or all 1's) by flipping exactly 1 digit then output "Yes", else print "No" (quotes for clarity)

Input

The first line will contain an integer **T** representing the number of test cases.

Each test case contain a number made of only digits 1's and 0's on newline

Output

Print T lines with a "Yes" or a "No", depending on whether its possible to make it all 0s or 1s or not.

Constraints**Subtask #1: (40 points)**

- $1 \leq T \leq 50$
- $1 \leq \text{Length of the number } D \leq 50$

Subtask #2: (60 points)

- $1 \leq T \leq 10$
- $1 \leq \text{Length of the number } D \leq 10^5$

Sample Input 1

2

101

11

Sample Output 1

Yes

No

Explanation

Example case 1. In 101, the 0 can be flipped to make it all 1..

Example case 2. No matter whichever digit you flip, you will not get the desired string.

Js Template

```
function main() {  
    let t = (readline());  
    while (t--) {  
        let s = readline();  
        // Implementation Logic here  
    }  
}  
  
main();
```

Solution:-

```
function main() {  
    let t = (readline());  
    while (t--) {  
        let s = readline();  
        var count1 = 0,  
            count0 = 0;  
        for (let i = 0; i < s.length; i++) {  
            if (s[i] == "1") count1++;  
            else count0++;  
        }  
        if (count1 == 1 || count0 == 1) console.log("Yes");  
        else console.log("No");  
    }  
}
```

main();

<https://ideone.com/uuSBkO>

Problem Statement2:

Abhi gave integers a , b and n to Raj. Raj wants to compare a^n and b^n . Help Raj with this task.

Input

- The first line of the input contains a single integer T denoting the number of test cases. The description of T test cases follows.
- The first and only line of each test case contains three space-separated integers a , b and n .

Output

For each test case, print a single line containing one integer: 1 if $a^n > b^n$

2 if $a^n < b^n$ or 0 if $a^n = b^n$.

Constraints

- $1 \leq T \leq 1,000$
- $|a|, |b| \leq 10^9$
- $1 \leq n \leq 10^9$

Sample Input 1

2

3 4 5

-3 2 4

Sample Output 1

2

1

Js Template

```
function main() {  
    let t = parseInt(readline());  
    while (t--) {  
        let arr = readline().split(' ');  
        let a = parseInt(arr[0]);  
        let b = parseInt(arr[1]);  
        let n = parseInt(arr[2]);  
  
        var ans;  
        // Implementation logic here  
        console.log(ans);  
    }  
}
```

main();

Solution:

```
function main() {  
    let t = parseInt(readline());  
    while (t--) {  
        let arr = readline().split(' ');  
        let a = parseInt(arr[0]);  
        let b = parseInt(arr[1]);  
        let n = parseInt(arr[2]);  
  
        var ans;  
        if (n % 2 === 0) {  
            if (Math.abs(a) == Math.abs(b)) ans = 0;  
            else if (Math.abs(a) > Math.abs(b)) ans = 1;  
            else ans = 2;  
        } else {  
            if (a == b) ans = 0;  
            else if (a > b) ans = 1;  
            else ans = 2;  
        }  
        console.log(ans);  
    }  
}
```

main();

<https://ideone.com/3iYSWb>

Round 3

Build a Survey form using Html and CSS as shown in the image below

Untitled
gurpreet kaur

View in Editor

Survey Form

Name
Enter your name

Email
Enter your email

Age
Enter your age

Which option best describes you?
Student

Would you recommend this organization to a friend?
☐ Yes
☐ No
☐ Maybe

Languages and Frameworks known (Check all that apply)
☐ C#
☐ Java
☐ JavaScript
☐ React

Any comments or suggestions

Submit

Template:

<https://jsfiddle.net/ptqufz92/>

Solution:

<https://jsfiddle.net/mqcdrags/>

