

- 1- Write a program to check if a given number is positive, negative, or zero using if-else.
- 2- Write a program that uses confirm() to ask the user: "Do you want to proceed?" If the user clicks OK, display "You chose to proceed" in an alert. If the user clicks Cancel, display "Action canceled."
- 3- Modify this code to use a ternary operator instead of if-else:

```
var num = 10;  
if (num % 2 === 0) {  
    console.log("hi");  
} else {  
    console.log("heloo");  
}
```

- 4- Ask the user to enter his age. You must validate the user input (positive numbers only)
Show the status of the user knowing that
Child is between 1-10
Teenager is between 11-18
Grown up is between 19-50
Old is greater than 50
keep asking the user to enter another age until he clicks cancel
- 5- Ask the user to enter a string
Count the number of vowels in that string (a,e,o,u,i)
⇒ a = 2 , e= 1, o=1, u=0, i=3
- 6- Write a JavaScript program to convert the 24 hour clock to 12 , adding **am** or **pm** based on its value use prompt() to get the value from the user.
Examples
0 -> 12AM
11 -> 11AM
13 -> 1PM
- 7- Write a JavaScript program to Convert First letter to Uppercase Ask the user to enter the string and Show the result
- 8- Write a script where the user confirms their choice of color:
First, use prompt() to let the user type their favorite color.
Then, use confirm() to ask: "You chose [color]. Is that correct?"
If OK, display an alert: "Great choice!"
If Cancel, display: "Let's try again."
- 9- Write a while loop that keeps prompting the user for a password until they enter the correct one.

- 10- How do you compare two dates in JavaScript to see if one is earlier than the other?
- 11- Write a JavaScript program to calculate the number of days between Given two dates.
- 12- Use a for loop to calculate the sum of all even numbers between 1 and 100.
- 13- How can you extract the substring "World" from the string "Hello World!"?
- 14- How can you round the number 5.678 to two decimal places?
- 15- Write a JavaScript program that returns true if a number is divisible by both 3 and 5, otherwise false.