Write a JavaScript program that converts temperatures between Celsius and Fahrenheit. The user should be prompted to enter a temperature and its unit (either "C" for Celsius or "F" for Fahrenheit), and the program should convert it to the other unit.  
  
convert from "C" to "F" --> (32°F − 32) × 5/9 = 0°C  
convert from "F" to "C" --> (0°C × 9/5) + 32 = 32°F

//Get the tempature from user

let temp = (prompt("Please enter the tempeature"));

let unit = prompt("Enter the unit of temp")

//initializing the converson formula

let FtoC = parseFloat((32\*temp - 32) \* 5/9 );

let CtoF = parseFloat((temp\*9/5)+32);

if(unit === 'F'){

console.log(FtoC + "^C")

2. Write a JavaScript program that takes an integer as an input and determines if it's positive, negative, or zero. The function should return "Positive," "Negative," or "Zero" accordingly.

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|  |

//get the integer from the user

let int =(prompt("Please enter the integer"));

//determining if the nature of the integer

if(int == 0){

console.log("You have enter Zero.");

}else if(int.charAt(0)=== '-'){

console.log("You have entered negetive integer.")

}else{

console.log("You have entered positive integer")

}

Write a JavaScript program that takes a single character (a string of length 1) as input and determines if it's a vowel (a, e, i, o, u) or a consonant. The function should return "Vowel" or "Consonant" accordingly.  
If the user inserts more than one character, make it only take the first character.

Answer

//get the character

let char = prompt("Please enter the single character");

//take only the first character

let charSingle = char.charAt(0)

// take the vowel one buy one

if(charSingle === 'a'|| charSingle === 'A'|| charSingle === 'e'|| charSingle === 'E'|| charSingle === 'i'|| charSingle === 'I'|| charSingle === 'o'||charSingle === 'O'|| charSingle === 'u'|| charSingle === 'U'){

console.log("You have entered vowel.")

}else{

console.log("You have entered Consonant.")

}

Write a JavaScript program that takes an integer as input and determines if it's even or odd. The program should display "Even" if the number is even and "Odd" if it's odd.