**AMREEN ALI**

**JS\_ASSIGNMENT 2**

**Q NO 1**

**Perform Prompt with example?**

//Prompt

var name = prompt("Enter your Name?")

console.log("Name: ",name)

**Q NO 2**  
**How to parse prompt value in number perform example?**

We edit a “+” sign with prompt keyword to parse prompt value in number.

//Parse a prompt

var Age = +prompt("Enter your Name?")

console.log("Age : ",Age)

**Q NO 3 AND Q NO 4  
What is comparison operators? Define each operator with example? What is IF STATEMENT define with example & use all the comparison operators inside IF condition?**

**COMPARISON OPERATORS:**

A comparison operator is mathematical operator which is used to compare the values.

**IF STATEMENTS:**

If statement is used to fulfill the comparison operators by defining the conditions.

Following are the different comparison operators and using in the if statements:

* **IDENTITY OPERATOR (===):**

This operator is used to check the values and type.

// ===

var num = +prompt("Enter a number")

if(num===7){

    console.log("Number : ",num)

}

* **NON-IDENTITY OPERATOR (!==):**

It returns the true when the values are not equal to the condition.

// !==

var num = +prompt("Enter a number")

if(num !==7){

    console.log("Number : ",num)

}

* **EQUALITY OPERATOR (==):**

This operator is used to check the value only.

// ==

var num = prompt("Enter a number")

if(num==7){

    console.log("Number : ",num)

}

* **IN EQUALITY (!=):**

It returns true when the operands are not equal in to types.

var num = prompt("Enter a number")

if(num != 7){

    console.log("Number : ",num)

}

* **GREATER THAN (>):**

It returns true when the left value is greater than the right value.

var num = +prompt("Enter a number")

if(num > 7){

    console.log("Number : ",num)

}

* **LESS THAN (<):**

It returns true when the left value is less than the right value.

// <

var num = +prompt("Enter a number")

if(num < 7){

    console.log("Number : ",num)

}

* **GREATER THAN EQUAL TO (>=):**

It returns true when the left value is greater than equal to the right value.

// >=

var num = +prompt("Enter a number")

if(num >= 7){

    console.log("Number : ",num)

}

* **LESS THAN EQUAL TO (<=):**

It returns true when the left value is less than equal to the right value.

// <=

var num = +prompt("Enter a number")

if(num >= 7){

    console.log("Number : ",num)

}

**Q NO 5  
What is IF ELSE STATEMENT define with example?**

**IF ELSE STATEMENT:**

In if else statement it produce true when if condition is fulfill and when condition is not true so it will run the else condition.

//If-Else Statement

var num = +prompt("Enter a number")

if(num == 7){

    console.log("IF STATEMENT :  ",num)

}

else{

    console.log("ELSE STATEMENT : ",num)

}

**Q NO 6  
What is NESTED IF ELSE STATEMENT define with example?**

**NESTED IF ELSE STATEMENT:**

Nested if else statement means if else statement under the if else statement.

//NESTED IF ELSE STATEMENT

var age = +prompt("Enter your age")

if(age >= 18){

    var nic = prompt("Do you have CNIC")

    if(nic === "yes"){

        alert("you can vote during election")

    }

    else{

        alert("first apply for CNIC")

    }

}

else{

    alert("You are not eligible for vote casting")

}

**Q NO 7  
What is Conditional/Logical operators define with example and perform all these operators inside IF statement?**

**CONDITIONAL OPERATOR:**

Conditional operators are used to check the two different conditions in if statement. And it returns a value true or false according to the condition.

* **&& OPERATOR:**

It returns true when the both conditions are fulfill.

//conditional operator

var age = +prompt("Enter your age")

var nic = prompt("Do you have CNIC")

if(age >=18 && nic === "yes")

{

    console.log("You are eligible for vote casting")

}

else{

    console.log("you are not eligible for vote casting")

}

* **|| OPERATOR:**

It returns true when the both or any one of them conditions are fulfill.

var age = +prompt("Enter your age")

var gpa = +prompt("Enter your GPA")

if(age >= 18 || gpa == 2.5){

    console.log("you can play cricket")

}