**AMREEN ALI**

**ASSIGNMENT # 4**

**Q NO 1:**

**Perform alert() example?**

//Alert Example

alert("Welcome to the Javascript")

**Q NO 2:**

**Perform example of variables of string?**

//Variable for string Example

var name = "Amreen";

alert(name)

console.log(name)

name = "Ahmed"

console.log(name)

**Q NO 3:**

**Perform example of variables of number?**

//Variable for number Example

var marks = 50;

alert(marks)

console.log(marks)

marks = 60;

console.log(marks)

var mark1 = 50;

var mark2 = 60;

var addition = mark1 + mark2;

alert(addition)

addition = mark1 + mark2 - 20;

alert(addition)

**Q NO 4:**

**Perform example of familiar operators?**

//Familiar Operation Example

var num1 = 20;

var num2 = 10;

var add = num1 + num2;

alert(add)

var sub = num1 - num2;

alert(sub)

var mul = num1 \* num2;

alert(mul)

var modulo = num1 % num2;

alert(modulo)

**Q NO 5:**

**Perform example of unfamiliar operators?**

//Unfamiliar Operation

//post Increment

var n = 5;

console.log(n)

n++;

console.log("Post Increment",n)

//Post Decrement

n--;

console.log("Post Decrement",n)

//Pre Increment

++n;

console.log("Pre Increment",n)

//Pre Decrement

--n;

console.log("Pre Increment",n)

//EXAMPKE

var m = 10;

m++ + m - --m - m++ + --m - ++m;

console.log("The value of m is now: ",m)

**Q NO 6:**

**Perform example of math expressions? (with and without Bod-mas rule)**

//MATHS Expression with or without BODMAS RUle

//Without BOSMAS

var total = 5 + 3 \* 4 + 7;

console.log("Total value : ",total)

//With BODMAS

total = (5 + 3) \* (4 + 7);

console.log("Total Value : ",total)

**Q NO 7:**

**Perform Concatenation? and what is the difference between (,) & (+)?**

//CONCATINATION

var country = "Pakistan";

var word = "Zindabad";

console.log("After Concatination : ",country + word)

var val1 = "5";

var val2 = "5";

console.log("Numbers concatination : ",val1 + val2)

var val3 = 5;

var val4 = 4 ;

console.log(val3, val4)

* **“+” is used to concatenate and it changes the type of integer into strings.**
* **“,” use to concatenate but does not change the type.**