

Assignment # 9**JAVASCRIPT**

#####Objects of CHAPTER1#####

*****Q No. 1

```
alert("Welcome to my Website");
```

*****Q No. 2

```
alert("Error! Please enter a valid password.");
```

*****Q No. 3

```
alert("Welcome to JS Land...\n Happy Coding!");
```

*****Q No. 4

```
alert("Welcome to JS Land...");
```

*****Q No. 5

```
a)alert("Happy Coding");
```

#####Objects of CHAPTER2#####

*****Q No. 1

```
var username;
```

```
var myName = "Muhammad Sohail Abbas";
```

*****Q No. 3

```
var message;
```

```
var message = "Hello World Happy Coding";
```

```
alert(message);
```

*****Q No. 4

```
var Stuname = "Bilal Hassan";
```

```
var age = 20;
```

```
var Qualification = "Undergraduate";
```

```
alert(Stuname);
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
alert(age + " Years Old");
```

```
alert(Qualification);
```

*****Q No. 5

```
var Pizza = ("Pizza"+"<br />"+"Pizz"+"<br />"+"Piz"+"<br />"+"Pi"+"<br />"+"P");
```

```
document.write(Pizza);
```

*****Q No. 6

```
var email = "sohail123@gmail.com";
```

```
alert(email)
```

*****Q No. 7

```
var book = "Smarter way to learn Java script is really a smarter way"
```

```
alert(book)
```

*****Q No. 8

```
var write = "Yay! I can write HTML content through Javascript";
```

```
alert(write)
```

*****Q No. 9

```
var design = "—————❖—————"
```

```
alert(design)
```

/ #####Objects of CHAPTER3#####

*****Q No. 1

```
var myAge = "My age is 19."
```

```
alert(myage);
```

*****Q No. 2

```
var visit = "You have visited this website 09 times."
```

```
alert(visit);
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

*****Q No. 3

```
var birthYear = "My birth year is 2001.\nData type of declared variable is string."
alert(birthYear);
```

*****Q No. 4

```
var visitor = "Muhammad Sohail Abbas" + "<br>";
document.write(visitor);
var title = " black T-shirt" + "<br>";
document.write(title)
```

```
var quantity = "03 T-shirts" + "<br>";
document.write(quantity)
```

```
var order = "Muhammad SohailAbbas ordered 03 black T-shirt on www.SABZAR.com"
document.write(order);
```

#####Objects of CHAPTER4#####

*****Q No. 1

```
var variable1 = "Hello World!"
    variable2 = true,
    variable3 = 42;
```

*****Q No. 2

```
var hello = "";
var _hello = "";
var $hello = "";
var hello1 = "";
var myWorld = "";
var 143 = "";
```

MUHAMMAD SOHAIL ABBAS

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
var .hello = "";  
var ?hello = "";  
var @hello = "";  
var &hello = "";
```

#####Objects of CHAPTER6-9#####

*****Q No. 1

```
var user = 10;  
  
document.write("Result : "<br/>"The value of user is : "+ user+"<br/>"<hr/>");  
  
++user;  
  
document.write("The value of ++user is : "+ user+"<br/>"Now the value of user is  
:"+user+"<br/><br/>");  
  
user++;  
  
document.write("The value of user++ is : "+ 11+"<br/>"Now the value of user is  
:"+user+"<br/><br/>");  
  
--user;  
  
document.write("The value of --user is : "+ user+"<br/>"Now the value of user is  
:"+user+"<br/><br/>");  
  
user--;  
  
document.write("The value of user-- is : "+ 11+"<br/>"Now the value of user is : "+user);
```

*****Q No. 2

```
var a = 2;  
var b = 1;
```

```
var result = --a - --b + ++b + b--;
```

Explain the output at each stage:

```
--a;  
  
--a - --b;  
  
--a - --b + ++b;  
  
--a - --b + ++b + b--;
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
var a = 2;
var b = 1;
var result;
--a;(Now result = 1)
--a - --b;(Now result = 1)
--a - --b + ++b;(Now result = 2)
--a - --b + ++b + b--;(Now result = 3)
var result = --a - --b + ++b + b--;
document.write("a is 2"<br/>+"b is 1"<br/>+"result is "+result);
```

*****Q No. 3

```
var greetName = prompt("Enter name");
alert("Welcome to our Webpage"+"\\n"+greetName);
```

*****Q No. 4

```
var user = prompt("Enter no for print table");
n = 1;
while(n<=10,user<=user)
{
document.write(user+ "x" + n + "=" + user*n + "<BR>")
n++;
if (n == 11)
{
d++;
n = 0;
}
}
```

*****Q No. 6

```
var totalMarks = 100;
var sub1 = prompt("Enter Subject");
```

MUHAMMAD SOHAIL ABBAS

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
var sub2 = prompt("Enter Subject");
var sub3 = prompt("Enter Subject");
var obtained1 = prompt("Enter obtained Marks for sub 1");
var obtained2 = prompt("Enter obtained Marks for sub 2");
var obtained3 = prompt("Enter obtained Marks for sub 3");
var percent1 = (obtained1 / 100) *totalMarks;
var percent2 = (obtained2 / 100) *totalMarks;
var percent3 = (obtained3 / 100) *totalMarks;
document.write(" <b>Subject</b>"+ " <b>Total</b>"+ " <b>Obtained Marks</b>"+ " <b>Pecentage</b>"+ "<br/>");
document.write(sub1+ " "+" "+totalMarks+ " "+ obtained1+ " "+ percent1+"%"+ "<br/>"+sub2+" "+totalMarks+" "+ obtained2+ " "+percent2+"%"+ "<br/>"+sub3+" "+totalMarks+" "+ obtained3+ " "+percent3+"%");
```

#####Objects of CHAPTER9-11#####

*****Q No. 1

```
var cityName = prompt("Enter city name");
if(cityName=="karachi"){
document.write("Welcome to city of lights");
}
else if(cityName=="lahore"){
document.write("Welcome to city of garden");
}
else{
document.write("City of peace");
}
```

*****Q No. 2

```
var gender = prompt("Enter gender");
if(gender=="male"){
document.write("Good Morning Sir.");
}
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
}  
else if(gender=="female"){  
    document.write("Good Morning Ma'am.");  
}  
else{  
    alert("please enter correct value");  
}
```

*****Q No. 3

```
var signal = prompt("Enter color for signal");  
if(signal=="red"){  
    alert("Must Stop don't violate it")  
}  
else if(signal=="yellow"){  
    alert("Ready to move");  
}  
else if (signal=="green"){  
    alert("Move now")  
}  
else{  
    alert("Error");  
}
```

*****Q No. 4

```
var fuel = +prompt("Enter fuel limit in litres");  
if(fuel<0.25){  
    alert("Please refill the fuel in your car");  
}
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
else{  
    alert("No need to refill");  
}
```

*****Q No. -5

```
var a = 4;  
if (++a === 5){ alert("given condition for variable a is true"); }Condition is True  
var b = 82;  
if (b++ === 83){ alert("given condition for variable b is true"); }Condition is False  
var c = 12;  
if (c++ === 13){ alert("condition 1 is true"); }  
if (c === 13){ alert("condition 2 is true"); }condition 2 & 4 is Y\True.  
if (++c < 14){ alert("condition 3 is true"); }  
if(c === 14){ alert("condition 4 is true"); }
```

*****Q No. 6

```
var materialCost = 20000;  
var laborCost = 2000;  
var totalCost = materialCost + laborCost;  
if (totalCost === laborCost + materialCost){  
    alert("The cost equals"); This condition is true.  
}  
if (true){  
    alert("True");this codition is True  
}  
if (false){  
    alert("False");  
}
```


ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
if("car" < "cat"){  
    alert("car is smaller than cat"); True  
}
```

*****Q No. 7

```
var secretNum = 5;  
var userNum = +prompt("Guess Secret Number 0-10 ");  
if(userNum==5){  
    alert("Bingo! Correct answer.");  
}  
else if(userNum==6){  
    alert("Close enough to the correct answer.");  
}  
else{  
    alert("Oops!Wrong Number");  
}
```

*****Q No. 8

```
var count = +prompt("Enter number");  
if(count%3==0){  
    alert("It is divisible by 3");  
}  
else{  
    alert("Not divisible by 3");  
}
```

*****Q No. 9

```
var checkNum = +prompt("Enter num to check Even/Odd");  
if(checkNum%2==0){
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
    alert("It's an Even Number")
}
else if(checkNum%2==1){
    alert("It's an Odd Number")
}
else{
    alert("Invalid number");
}
```

*****Q No. 10

```
var temperature = +prompt("Enter Temperature value in degree Celcius");
if(temperature>40){
    alert("It is too hot outside." )
}
else if(temperature>30){
    alert("The Weather today is Normal." );
}
else if(temperature>20){
    alert("Today's Weather is cool.");
}
else if(temperature>10){
    alert("OMG! Today's weather is so Cool.");
}
else {
    alert("Out of range!");
}
```

*****Q No. 11

```
var input1 = +prompt("Enter first no");
var input2 = +prompt("Enter second no");
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
var operand = prompt("Enter operand");  
if(operand == "+"){  
    document.write(input1+input2);  
}  
if(operand == "-"){  
    document.write(input1-input2);  
}  
if(operand == "*"){  
    document.write(input1*input2);  
}  
if(operand == "/"){  
    document.write(input1/input2);  
}
```

#####Objects of CHAPTER12-13#####

*****Q No. 1

```
var character = prompt("Enter character");  
var charCode = character.charCodeAt();  
document.write("The ASCII value of "+character+" = "+charCode+"<br/>");  
  
if (charCode>=65 && charCode<=90)  
{  
    document.write("\nYou have entered a capital letter");  
}  
  
else if (charCode>=97 && charCode<=122)  
{
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
document.write("\nYou have entered a small letter");  
  
}  
  
else if (charCode>=47 && charCode<=57)  
{  
    document.write("\nYou have entered a digit ");  
}  
  
else if (charCode>=0 || charCode>=47 || charCode>=54 || charCode<=64 || charCode>=91 ||  
charCode<=96 || charCode>=123 || charCode<=127)  
{  
    document.write("\nYou have entered a special character");  
}
```

*****Q No. 2

```
var num1 = +prompt("Enter First number");  
var num2 = +prompt("Enter Second number");  
if( (num1 >= 25) && (num1 <= 50) && (num2 >= 25 && num2 <= 50) ){  
    if(num1 === num2){  
        document.write( "Numbers are the same");  
    }  
    else if (num1 > num2){  
        document.write(num1);  
    }  
    else if(num2 > num1){  
        document.write(num2);  
    }  
}
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
else{  
document.write( "Numbers Out of Range");  
}
```

*****Q No. 3

```
var number = prompt("Enter Number?")  
if(number > 0)  
{  
    document.write(number+" is a positive number");  
}  
else if(number < 0)  
{  
    document.write(number+" is a negative number");  
}  
else  
{  
    document.write(number+" is neither positive nor negative");  
}
```

*****Q No. 4

```
var vowel = prompt("Enter Character to check vowel?");  
vowel1= vowel.toLowerCase();  
if (vowel1 == "a" || vowel1 == "e" || vowel1 == "i" || vowel1 == "o" || vowel1 == "u"){  
    alert(vowel1+" is a vowel");  
}  
else{  
    alert("Not a vowel");  
}
```

*****Q No. 5

```
var storePassword = prompt('Set password');
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
var askPassword = prompt("Enter your password");  
if(storePassword==askPassword){  
    alert("Correct! The password you entered matches the original password.");  
}  
else{  
    alert("Incorrect password");  
}
```

*****Q No. 6

```
var hour = 13;  
if (hour < 18) {adiing {  
    greeting = "Good day";  
    alert(greeting);addition  
}adding }  
else {  
    greeting = "Good evening";  
    alert(greeting);  
}
```

*****Q No. 7

```
var time = prompt("Enter hours");  
if(time==1900){  
    alert("Its 7pm");  
}  
else if(time>=0000 && time<1200){  
    alert("Good Morning");  
}  
else if(time>=1200 && time<1700){  
    alert("Good Afternoon");  
}
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
}  
else if(time>=1700 && time<2100){  
    alert("Good Evening");  
}  
else if(time>=2100 && time<2359){  
    alert("Good Night");  
}  
else{  
    alert("Invalid Input");  
}
```

#####Objects of CHAPTER14-16#####

*****Q No. 1

```
var studentNames = [];
```

*****Q No. 2

```
var studentsNane = newArray({});
```

*****Q No. 3

```
var string = ["SABZAR"];
```

*****Q No. 4

```
var number = [71,92,35,68,4,75,47,84,98,60];
```

*****Q No. 5

```
var boolean = [true];
```

*****Q No. 6

```
var mixArr = ["SABZAR",2021,true];
```

*****Q No. 7

```
var qualifications = ["SSC", "HSC", "BCS", "BS", "BCOM", "MS", "M.Phil", "PhD"];
```

```
document.write('<h2>'+ "Qualifications :"+'</h2>'+<ol><li>'+qualifications.join('</li><li>')+ ' </li></ol>');
```

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

*****Q No. 8

```
var colorNames = ['red','pink','yellow','green','black','blue','brown','purple'];
```

a. Ask the user what color he/she wants to add to the beginning & add that color to the beginning of the array. Display the updated array in your browser.

```
var addColor = prompt("Enter color name you wants to add in start");
```

```
colorNames.unshift(addColor);
```

b. Ask the user what color he/she wants to add to the end & add that color to the end of the array.

Display the updated array in your browser.

```
var addColor = prompt("Enter color name you wants to add in last");
```

```
colorNames.push(addColor);
```

c. Add two more color to the beginning of the array.

Display the updated array in your browser.

```
colorNames.unshift("white","grey");
```

d. Delete the first color in the array. Display the updated array in your browser.

```
colorNames.shift();
```

e. Delete the last color in the array. Display the updated array in your browser.

```
colorNames.pop();
```

f. Ask the user at which index he/she wants to add a color & color name.

Then add the color to desired position/index.

Display the updated array in your browser.

```
var addColor = prompt("Enter color name you wants to add in desire index");
```

```
colorNames.splice(3,0,"lightblue");
```

g. Ask the user at which index he/she wants to delete color(s) & how many colors he/she wants to delete.

Then remove the same number of color(s) from user-defined position/index.

Display the updated array in your browser.

```
var addColor = prompt("Enter color name you wants to delete in desire index");
```

```
colorNames.splice(3,2,0);
```

*****Q No. 10

ASSIGNMENT# 9

JAVASCRIPT PRACTICE OBJECTS

```
var number=[320,333,345,111]
```

```
number.sort()
```

```
document.write(number)
```

*****Q No. 11

```
var city=["ORMARA","GAWADAR","CHAKWAL","Quetta"]
```

```
document.write(city[2],",",city[3])
```