**JavaScript Assignment**

**1. Comment Your JavaScript Code**

**Code:** // this is single line comment

\*/ this is multi line comment /\*

**2. Declare JavaScript Variables :**

**Code:** var myName;

**3. Storing Values with the Assignment Operator:**

**Code :** var a = 7;

**4. Assigning the Value of One Variable to Another :**

**Code :** Var a;

a = 10;

Var b;

b=a;

**5. Initializing Variables with the Assignment Operator:**

**Code :** var a = 9;

**6. Understanding Uninitialized Variables:**

**Code :** Var a = 5;

Var b =10;

Var c = “I am a”;

**7. Understanding Case Sensitivity in Variables:**

**Code :** var myName;

var myMobileNumber;

**8. Add Two Numbers with JavaScript:**

**Code:**

Var a = 10;

Var b = 20;

Var sum = a+b;

Console.log(sum);

**9. Subtract One Number from Another with JavaScript:**

**Code:**

Var a = 30;

Var b = 20;

Var sub = a-b;

Console.log(sub);

**10. Multiply Two Numbers with JavaScript:**

**Code:**

Var a = 10;

Var b = 10;

Var Multiply = a\*b;

Console.log(Multiply);

**11. Divide One Number by Another with JavaScript:**

**Code:**

Var a = 20;

Var b = 10;

Var Divide = a/b;

Console.log(Divide);

**12. Increment a Number with JavaScript:**

**Code:**

Var a = 10;

Console.log(“Before Increment : ”+a);

Var increment = a++;

Consol.log(“After Increment : ”+increment);

**13. Decrement a Number with JavaScript:**

**Code:**

Var a = 10;

Console.log(“Before decrement : ”+a);

Var decrement = a--;

Consol.log(“After Decrement : ”+decrement);

**14. Create Decimal Numbers with JavaScript:**

**Code:**

Var myDecimal=3.14;

**15. Multiply Two Decimals with JavaScript:**

**Code:**

var a = 1.0;

var b = 5.0;

var multiply = a\*b;

console.log(multiply);

**16. Divide One Decimal by Another with JavaScript:**

**Code:**

Var a = 4.4;

Var b = 2.0;

Var Divide = a/b;

Console.log(Divide);

**17. Finding a Remainder in JavaScript:**

**Code:**

var a = 11;

var b = 3;

var modulus = a%b;

console.log(modulus);

**18. Compound Assignment With Augmented Addition:**

**Code:**

var a = 5;

var b = 3;

var c = 4;

a+=b;

b+=c;

c+=a;

console.log("a : "+a+"\nb : "+b+"\nc : "+c);

**19. Compound Assignment With Augmented Subtraction:**

**Code:**

var a = 5;

var b = 3;

var c = 1;

a-=b;

b-=c;

c-=a;

console.log("a : "+a+"\nb : "+b+"\nc : "+c)

**20. Compound Assignment With Augmented Multiplication:**

**Code:**

var a = 5;

var b = 3;

var c = 1;

a\*=b;

b\*=c;

c\*=a;

console.log("a : "+a+"\nb : "+b+"\nc : "+c)

**21. Compound Assignment With Augmented Division:**

**Code:**

var a = 10;

var b = 4;

var c = 2;

a/=b;

b/=c;

c/=a;

console.log("a : "+a+"\nb : "+b+"\nc : "+c)

**22. Declare String Variables:**

**Code:**

var myFirstName = "Raghav";

var myLastName = "Somani";

**23. Escaping Literal Quotes in Strings:**

**Code:**

var myStr = "I am a \"double quoted\" string inside \"double quotes\"";

console.log(myStr);

**24. Quoting Strings with Single Quotes:**

**Code:**

goodStr = 'Jake asks Finn, "Hey, let\'s go on an adventure?"';

console.log(goodStr);

**25. Escape Sequences in Strings:**

**Code:**

var myStr ="FirstLine\n\t\\SecondLine\nThirdLine";

console.log(myStr);

**26. Concatenating Strings with Plus Operator:**

**Code:**

var myStr ="This is the Start."+"and "+"This is the end.";

console.log(myStr);

**27. Concatenating Strings with the Plus Equals Operator:**

**Code:**

var ourStr = "This is first sentence. ";

ourStr += "This is second sentence.";

console.log(ourStr)

**28. Constructing Strings with Variables:**

**Code:**

var myName="Raghav";

var myStr = "My name is " + myName + " and and I am well";

console.log(myStr)

**29. Appending Variables to Strings:**

**Code:**

var anAdjective = "Full Stack Web Devlopment Course Is awesome!";

var myStr = "Heyy !! You Know About BI ";

myStr += anAdjective;

console.log(myStr)

**30. Use Bracket Notation to Find the First Character in a String:**

**Code:**

var lastName = "Somani";

var firstLetterOfLastName = lastName[0];

console.log(firstLetterOfLastName)

**31. Find the Length of a String:**

**Code:**

var lastName = "Somani";

var lastNameLength = lastName.length;

console.log(lastNameLength)

**32. Understand String Immutability:**

**Code:**

var myStr = "Bob";

myStr = "Hello World";

console.log(myStr)

**33. Use Bracket Notation to Find the Nth Character in a String:**

**Code:**

var lastName = "Somani";

thirdLetterOfLastName = lastName[2];

console.log(thirdLetterOfLastName)

**34. Use Bracket Notation to Find the Last Character in a String:**

**Code:**

var lastName = "Somani";

lastLetterOfLastName = lastName[lastName.length-1];

console.log(lastLetterOfLastName)

**35. Use Bracket Notation to Find the Nth-to-Last Character in a String:**

**Code:**

var lastName = "Somani";

secondLastLetterOfLastName = lastName[lastName.length-2];

console.log(secondLastLetterOfLastName)

**36. Word Blanks:**

**Code:**

var myNoun = "banana";

var myAdjective = "pretty";

var myVerb = "ran"

var myAdverb = "quietly"

var wordBlanks ="Joe ate his " +myNoun+".\nThey " + myVerb + " all the way home. \nYou are a "+myAdjective+ " girl.\nHe opened the door " +myAdverb+"."

console.log(wordBlanks);

**37. Store Multiple Values in one Variable using JavaScript Arrays:**

**Code:**

var myArray=["Hello",10,30,"Dog"]

console.log(myArray);

**38. Nest one Array within Another Array:**

**Code:**

var myArray=[["Raghav",20],["Nikunj",22],["Rahul",27]];

console.log(myArray);

**39. Access Array Data with Indexes:**

**Code:**

var myArray=[["Raghav",20],["Nikunj",22],["Rahul",27]];

var myData = myArray[0];

console.log(myData);

**40. Modify Array Data With Indexes:**

**Code:**

var myArray=[["Raghav",20],["Nikunj",22],["Rahul",27]];

myArray[0] = 45 ;

console.log(myArray);