

## ASSIGNMENT 6 JAVASCRIPT

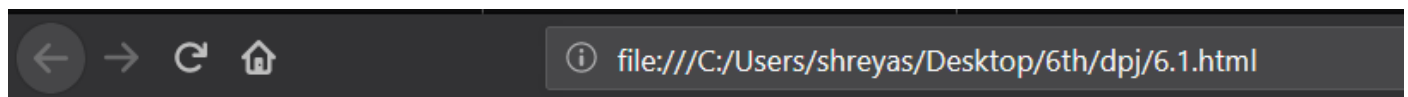
**Write a javascript for generate Fibonacci series for given input number**

```
<html>
  <head>
    <script type="text/javascript" charset="utf-8">

      var a = prompt("enter the number: ");

      var i = 0;
      var j = 1;
      for(var x = 0; x<a ; x++){
        var y = j + i;
        document.write(j+",");
        i = j;
        j = y;
      }
    </script>
  </head>
</html>
```

### Output



1,1,2,3,5,8,13,21,34,55,

**Write html and javascript to take input for username, password, birthdate, email, phone number and validate**

- 1. Mobile number start with 9 or 8**
- 2. Mail address must contain single @**
- 3. Password length must be 6 to 12 with minimum one special character**
- 4. Username should not start with any number or special character**
- 5. All filed are not empty**

```
<html>
<head>
<script>
    function validate(){

        //-----email validation-----
        var email = document.loginForm.email.value;
        var emailpattern =
        /^[a-zA-Z0-9][a-zA-Z0-9._]+@[a-zA-Z0-9]+\.[a-zA-Z0-9]+\.[a-zA-Z0-9]$/;
        var reg = new RegExp(emailpattern,"g");
        if(reg.test(email) == false )
            alert("email is invalid");

        //-----phoneNo validation-----
        var phno = document.loginForm.phno.value;
        var phnpattern = /^[9|8]/;
        var reg = new RegExp(phnpattern,"g");
        if(reg.test(phno) == false )
            alert("phone is invalid");

        //-----password validate-----
        var password = document.loginForm.password.value;
        var passwordPattern = /((?=.*[a-z])(?=.*[A-Z])(?=.*[0-9])(?=.*\W){6,12})/
        var reg = new RegExp(passwordPattern,"g");
        if(reg.test(password) == false )
            alert("password is invalid");

        //-----validate username-----
        var username = document.loginForm.StuName.value;
        var usernamePattern = /^[a-zA-Z]*$/
        var reg = new RegExp(usernamePattern,"g");
        if(reg.test(username) == false )
            alert("username is invalid");

    }
</script>
</head>
<body>
    <form name="loginForm">
        <table align="center" frame="box" cellpadding="7px">
            <tr>
```

```

        <td><label for="stuname"><font size="3">Username</font></label></td>
        <td colspan="3"><input size="65" type="text" id="StuName"
        required="true"/></td>
    </tr>
    <tr>
        <td><label for="password"><font size="3">password</font></label></td>
        <td colspan="3"><input size="65" type="password" id="password"
        required="true"/></td>
    </tr>
    <tr>
        <td><label for="dob"><font size="3">Birthdate</font></label></td> <td
        colspan="3"><input size="65" type="text" id="dob" required="true"/></td>
    </tr>
    <tr >
        <td><label for="email"><font size="3">E-mail</font></label></td>
        <td colspan="3"><input size="65px" type="text" id=email name ="email"
        required="true"/> </td>
    </tr>
    <tr>
        <td><label for="phno"><font size="3">Phone No.</font></label></td>
        <td colspan="3"><input size="65px" type=number id=phno name=phno
        required="true"/></td>
    </tr>
    <tr>
        <td colspan="2" align="right">
            <input type="Submit" name="btnsubmit" value="Submit" onClick =
            "validate()"/></td>
        <td colspan="2">
            <input type="Reset" name="btnreset" value="Reset"/></td>
    </tr>
</table>

</form>
</body>
</html>

```

The screenshot shows a web form with the following fields and values:

- Username: shreyaspala055
- password: [masked with dots]
- Birthdate: 6.2.2015
- E-mail: shreyaspalan004@gmail.com
- Phone No.: 9879261564

Below the fields are two buttons: "Submit" and "Reset". A modal dialog box is open in the center of the screen, displaying the message "username is invalid" and an "OK" button.

**Write a javascript that use function to calculate how many days are left in your birthday**

```
<html>

<head>

<script type="text/javascript" charset="utf-8">

    var today = new Date();

    var dateInput = prompt("Enter your Birthday in dd/mm/yyyy format");
    var bdayInput = dateInput.split("/");
    var bDay = new Date();
    bDay.setDate(bdayInput[0]);
    bDay.setMonth(bdayInput[1]-1);

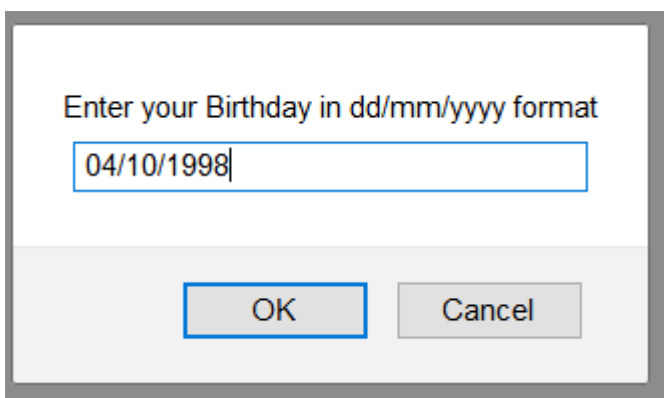
    if(today.getMonth() >= bDay.getMonth())
        if( today.getDate() > bDay.getDate() )
            bDay.setFullYear(today.getFullYear() + 1);

    var days=parseInt((bDay - today)/(1000*24*3600));
    if(days == 0)
        document.write("Happy BirthDay !!!!");
    else if(days == 1)
        document.write("Tomorrow is your BirthDay ....");
    else
        document.write(days + ' day(s) left for your next birthday!');

</script>

</head>

</html>
```



205 day(s) left for your next birthday!

**Write a javascript that use loop to search a word in sentence held in an array  
return the index of particular word**

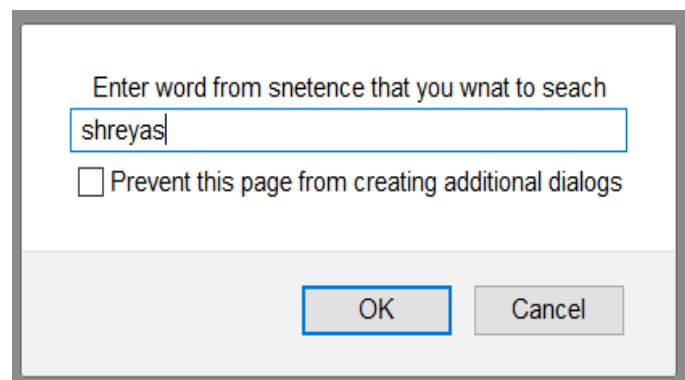
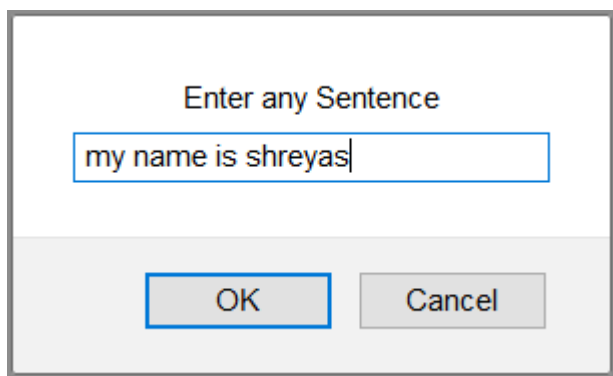
```
<html>
  <head>

    <script type="text/javascript" charset="utf-8">

      var sentence = prompt("Enter any Sentence");
      var word = prompt("Enter word from snetence that you wnat to seach");
      var j = false;
      var arr = sentence.split(" ");
      for(var i = 0; i<arr.length ;i++){
        if(word==arr[i]){
          document.write(word + " is at index: " + i);
          document.write("<br/>");
          j = true;
        }
      }
      if(!j){
        document.write("word not found");
      }

    </script>

  </head>
```

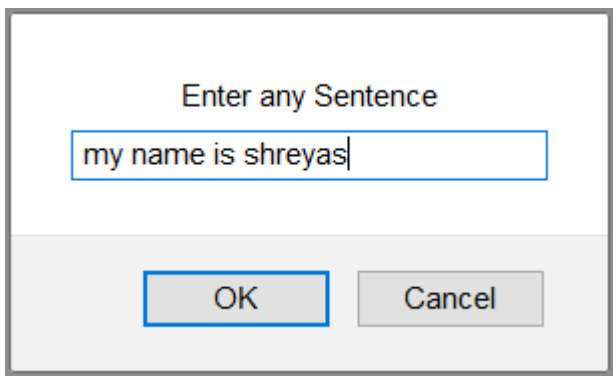


shreyas is at index: 3

**Wirte a javascript to print character of string at odd position**

```
<html>
  <head>
  </head>
  <body>
    <script type="text/javascript">
      var value = prompt("Enter the string:");
      document.write("characters at odd position are:<br/>");
      for(var i=0;i<value.length;i+=2){
        document.write(value.charAt(i));
      }

    </script>
  </body>
</html>
```



Enter any Sentence

my name is shreyas

OK Cancel

characters at odd position are:  
m aei hea

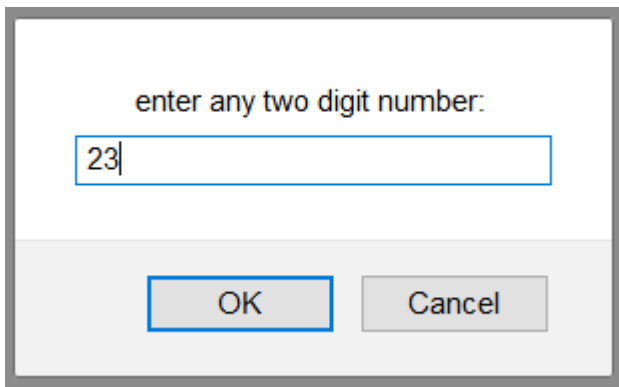
**Write a javascript to take two digit number and separate this two digit then multiply first digit by itself for second digit time**

```
<html>
  <head>
    <script>

      var number = prompt("enter any two digit number: ");
      if(number.length != 2){
        document.write("enter valid lenght number");
      }
      else{
        var number1 = parseInt(number.charAt(0));
        var number2 = parseInt(number.charAt(1));
        var ans = 1;
        for(var i=0;i<number2;i++){
          ans = ans * number1 ;
        }
        document.write(ans);
      }
    </script>

  </head>

</html>
```



**Write a javascript that find a position of first occurrence of vowel a and last occurrence in given word and return string between that**

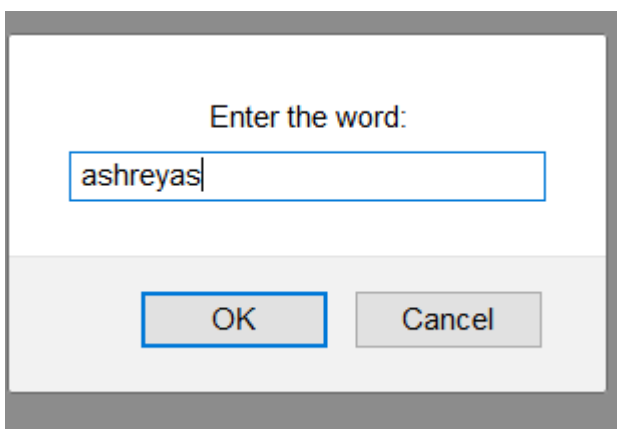
```
<html>
  <head>
  </head>
  <body>
    <script>
      var userInput = prompt('Enter the word:');
      var startIndex= userInput.indexOf('a');
      var endIndex= userInput.lastIndexOf('a');

      if(startIndex == -1 || endIndex == -1)
        document.write("any 'a' is not found...");

      else if( startIndex == endIndex){
        document.write('Sub string between first and last occurrence of character \'a\' is:
        <br/>');

        for(var i=startIndex+1;i<userInput.length;i++){
          document.write(userInput.charAt(i));
        }
      }

      else{
        document.write('Sub string between first and last occurrence of character \'a\' is:
        <br/>')
        for(var i=startIndex+1;i<endIndex;i++){
          document.write(userInput.charAt(i));
        }
      }
    </script>
  </body>
</html>
```



Sub string between first and last occurrence of character 'a' is:  
shrey