1-> write a program to find maximum of 3 no's using math object (Use prompt box for each input).
Code:-

```html
<html>
    <head>
        <title>First</title>
        <script>
            var x = parseInt( prompt("Please Enter First Number ", "0") );
            var y = parseInt( prompt("Please Enter Second Number ", "0") );
            var z = parseInt( prompt("Please Enter Third Number ", "0") );
            var res=Math.max(x,y,z);
            alert("Maximum Number is  = " + res);
        </script>
    </head>
</html>
```

Output:-

First

File | D:/6th%20SEM/ITA/Assignment1/First.html

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This page says

Maximum Number is = 30

OK
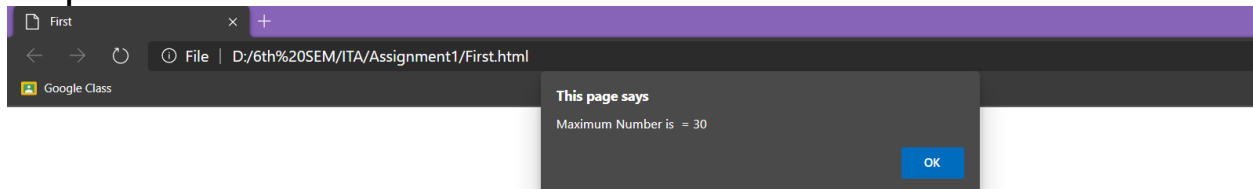
2-> write a JavaScript to validate student MIS registration form for SVNIT student. If a blnak field is left it should display an error message.
Code:-

```html
<!DOCTYPE html>
<html>
    <head>
        <script>
            function validate() {
                var first_name = document.forms['form']['first_name'].value.trim(
);
                var middle_name = document.forms['form']['middle_name'].value.tri
m();
                var last_name = document.forms['form']['last_name'].value.trim();
                var phone_number = document.forms['form']['phone_number'].value.t
rim();
                var email = document.forms['form']['email'].value.trim();
                var password = document.forms['form']['password'].value.trim();
                var re_password = document.forms['form']['re_password'].value.tri
m();
                var date_of_birth = document.forms['form']['date_of_birth'].value
.trim();
                var error = '';
                if(first_name == null || first_name == '') {
                    error = error.concat("Please Enter First Name\n");
                }
                if(middle_name == null || middle_name == '') {
                    error = error.concat("Please Enter Middle Name\n");
                }
                if(last_name == null || last_name == '') {
                    error = error.concat("Please Enter Last Name\n");
                }
                var phoneno = /^\d{10}$/;
                if(phone_number == null || phone_number == '') {
                    error = error.concat("Please Enter Phone Number\n");
                } else {
                    if(!phone_number.match(phoneno)) {
                        error = error.concat("Please Enter Valid Phone Number\n")
;
                    }
                }
                var emailId= /^[a-zA-Z0-9.!#$%&'*+/=?^_`{|}~-]+@[a-zA-Z0-9-
]+(?:\.[a-zA-Z0-9-]+)*$/;
                if(email == null || email == '') {
                    error = error.concat("Please Enter email ID\n");
```

```javascript
            } else {
                if(!email.match(emailId)) {
                    error = error.concat("Please Enter Valid Email ID\n");
                }
            }
            if(date_of_birth == null || date_of_birth == '') {
                error = error.concat("Please  Enter Date Of Birth \n");
            }
            if(password !== null && password !== '' && re_password !== null &
& re_password !== '') {
                if(password !== re_password) {
                    error = error.concat("Password Confirmation Failed!! \n")
;
                }
            } else {
                error = error.concat("Either Password or Re-
Password is/are Empty!! \n");
            }

            date_of_birth = new Date(date_of_birth);
            var q = new Date();
            var m = q.getMonth();
            var d = q.getDate();
            var y = q.getFullYear();
            var diff = y - date_of_birth.getFullYear();
            if(diff >= 100) {
                error = error.concat("Greater than 100 years!! Enter Valid da
te \n");
            }
            var today = new Date(y,m,d);
            m = date_of_birth.getMonth();
            d = date_of_birth.getDate();
            y = date_of_birth.getFullYear();
            date_of_birth = new Date(date_of_birth);
            if(today < date_of_birth){
                error = error.concat("Invallid Date!! Date should be earlier
than today's date \n");
            }
            if(error !== '') {
                alert(error);
                return false;
            }
            alert("Your Account is Created !!");
            return true;
        }
```

```html
        </script>
        <title>Second</title>
        <style>
            label {
                font-style: italic;
                font-size: 20px;
            }
        </style>
    </head>
    <body>
        <h1 style="color: black; text-align:center; margin-top: 20px; font-style: italic">Sign Up</h1>
        <form method="POST" name="form" style="width: 500px; margin: auto; margin-top: 20px" onsubmit="return validate()">
            <label >First Name</label>
            <input type="text" name = "first_name"/>
            <br><br>
            <label >Middle Name</label>
            <input type="text" name = "middle_name"/>
            <br><br>
            <label >Last Name</label>
            <input type="text" name = "last_name"/>
            <br><br>
            <label >Date of Birth</label>
            <input type="date" name="date_of_birth"/>
            <br><br>
            <label >Phone Number</label>
            <input type="text" name="phone_number"/>
            <br><br>
            <label>Email </label>
            <input type="email" name = "email"/>
            <br><br>
            <label>Password</label>
            <input type="password" name="password"/>
            <br><br>
            <label>Re-Type Password</label>
            <input type="password" name="re_password"/>
            <br><br>
            <button type="submit" name="sign_up" class="btn btn-primary">Create Account</button>
        </form>
    </body>
</html>
```

Output:-

3-> Make a Simple Interest Calculator using JavaScript. The result calculated should be displayed in a new window.
Code:-

```html
<html>
    <head>
        <title>Third</title>
        <script>
            var p = parseFloat( prompt("Please Enter Principal Amount ", "0") );
            var r = parseFloat( prompt("Please Enter Rate of Interest ", "0") );
            var t = parseFloat( prompt("Please Enter Time period ", "0") );
            var res= (p*t*r)/100;
            var winPrint = window.open('', '', 'left=0,top=0,width=800,height=600
,toolbar=0,scrollbars=0,status=0');
            winPrint.document.write('<title>Simple Interest</title> <p> Simple In
terest = ' + res + '</p>');
        </script>
    </head>
</html>
```

Output:-

Simple Interest = 300
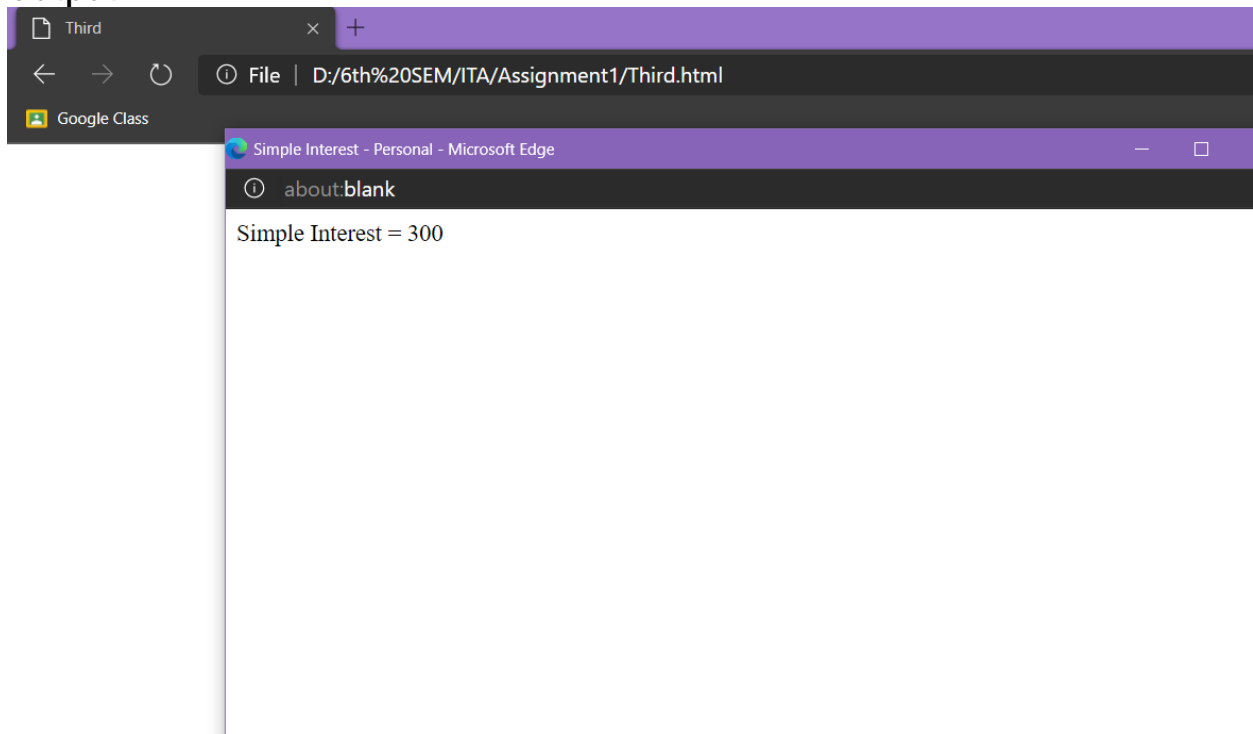
4-> Create home page for SVNIT college displaying amenities of college in an automatic carousel using JavaScript.

Code:-

```html
<html>
    <head>
        <title>Fourth</title>
    </head>
    <body>
        <h2>Automatic Slideshow</h2>
        <div style="max-width:500px">
            <img class="mySlides" src="1.png" style="width:100%">
            <img class="mySlides" src="2.png" style="width:100%">
            <img class="mySlides" src="3.png" style="width:100%">
            <img class="mySlides" src="4.png" style="width:100%">
        </div>
    </body>
    <script>
        var myIndex = 0;
        carousel();
        function carousel() {
            var i;
            var x = document.getElementsByClassName("mySlides");
            for (i = 0; i < x.length; i++) {
```
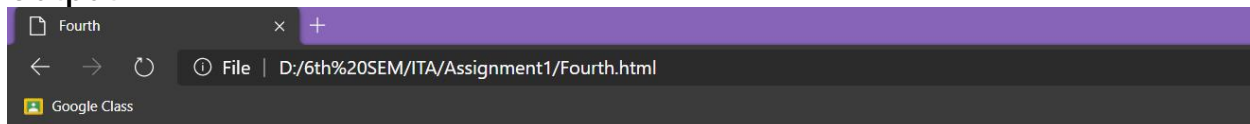
```
            x[i].style.display = "none";
        }
        myIndex++;
        if (myIndex > x.length) {myIndex = 1}
        x[myIndex-1].style.display = "block";
        setTimeout(carousel, 2000); // Change image every 2 seconds
    }
    </script>
</html>
```

Output:-

Automatic Slideshow

5-> Create one form for taking input via checkbox from user for receiving updates via newsletter for events as SVNIT. Only if user selects to opt for newsletter, display options using checkbox for selecting form events such as annual fest, drishti events, student chapters, STTP, summer schools, talks, conferences, workshops, courses through NPTEL. Display the selected choices in a new tab.

Code:-

```
<!DOCTYPE html>
<head>
    <title>Fifth</title>
</head>
<body>
    <input type="checkbox" id="news">
    <label >Do you want to Subscribe SVNIT newsletters?</label> <br><br>
```

```html
    <div style="visibility: hidden;" id="options">

        <input type="checkbox" name="availOption" value="Anual Fest" checked><label>Anual Fest</label><br>
        <input type="checkbox" name="availOption" value="Drishti Events" checked><label>Drishti Events</label><br>
        <input type="checkbox" name="availOption" value="Student Chapter" checked><label>Student Chapter</label><br>
        <input type="checkbox" name="availOption" value="STTP" checked><label>STTP</label><br>
        <input type="checkbox" name="availOption" value="Summer School" checked><label>Summer School</label><br>
        <input type="checkbox" name="availOption" value="Talks" checked><label>Talks</label><br>
        <input type="checkbox" name="availOption" value="Conferences" checked><label>Conferences</label><br>
        <input type="checkbox" name="availOption" value="Workshops" checked><label>Workshop</label><br>
        <input type="checkbox" name="availOption" value="Courses through NPTEL" checked><label>Courses through NPTEL</label><br>
        <button type="submit" id="subscribe">Subscribe</button>

    </div>

</body>
<script>
    var check = document.getElementById("news");
    check.addEventListener("click",()=> {
        if(check.checked)
            document.getElementById("options").style.visibility="visible";
        else
            document.getElementById("options").style.visibility="hidden";
    });

    var done=document.getElementById("subscribe");
    done.addEventListener("click",()=> {
        var str = '';
        var choices = document.getElementsByName('availOption');
        for(var i = 0;i<choices.length;i++) {
            if(choices[i].checked) {
                if(str == '') {
                    str = "<ul>"
                }
                str = str.concat("<li>" + choices[i].value + "</li>");
            }
```

```
        }
        if(str.length>0) {
            str = str.concat("</ul>")
            str = "You have Subscribed NewsLetter for <br>" + str;
        } else {
            str = "You have not subscribed any newsletter !!!"
        }
        var winPrint = window.open('', '', 'left=300,top=100,width=800,height=600
');
        winPrint.document.write('<title>Subscribed NewsLetters</title> <p> ' + st
r + '</p>');
    });
</script>
</html>
```

Output:-

Fifth × +

← → ↻ ⓘ File | D:/6th%20SEM/ITA/Assignment1/Fifth.html

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☑ Do you want to Subscribe SVNIT newsletters?

☑ Anual Fest
☑ Drishti Events
☑ Student Chapter
☑ STTP
☐ Summer School
☑ Talks
☐ Conferences
☑ Workshop
☑ Courses through NPTEL
Subscribe

Subscribed NewsLetters - Personal - Microsoft Edge

ⓘ about:blank

You have Subscribed NewsLetter for

- Anual Fest
- Drishti Events
- Student Chapter
- STTP
- Talks
- Workshops
- Courses through NPTEL