

# JAVA SCRIPT

# WHAT IS JAVASCRIPT ?

BY DEFINITION, JAVASCRIPT IS A CLIENT-SIDE SCRIPTING LANGUAGE.

# JAVASCRIPT - SYNTAX

<HTML>

<HEAD>

<SCRIPT TYPE="TEXT/JAVASCRIPT">

-----

-----

</SCRIPT>

</HEAD>

<BODY>.....</BODY>

</HTML>

# FIRST EXAMPLE

<HTML>

<HEAD>

<SCRIPT TYPE="TEXT/JAVASCRIPT">

DOCUMENT.WRITE("MY FIRST EXAMPLE");

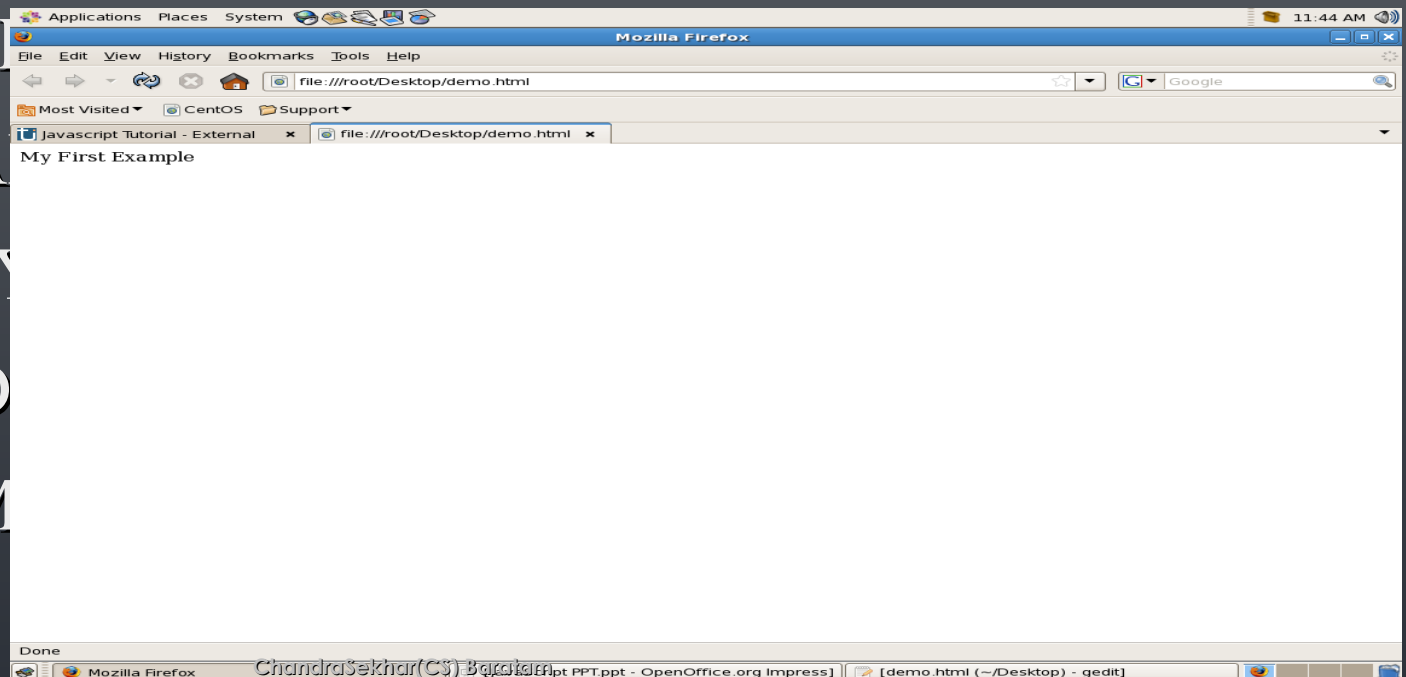
</SCRIPT>

</HEAD>

<BODY>

</BODY>

</HTML>



# JAVASCRIPT VARIABLES

# EXAMPLE

<HTML>

<HEAD>

<SCRIPT TYPE="TEXT/JAVASCRIPT">

S="HELLO WORLD !";

DOCUMENT.WRITE(S);

</SCRIPT>

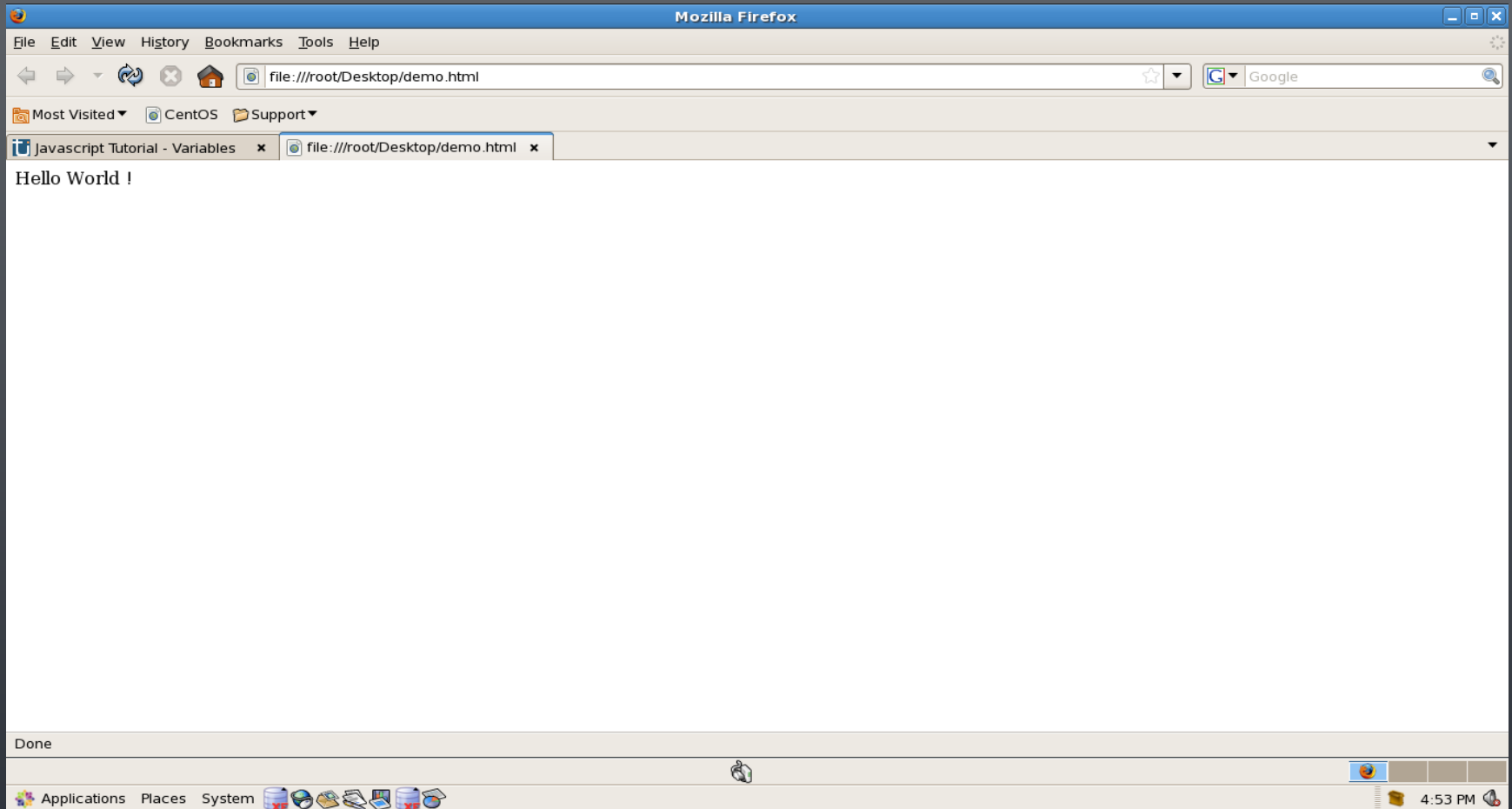
</HEAD>

<BODY>

</BODY>

</HTML>

# OUTPUT



# JAVASCRIPT FUNCTIONS



# EXAMPLE

```
<HTML><HEAD>
```

```
<SCRIPT TYPE="TEXT/JAVASCRIPT">
```

```
FUNCTION SHOW(){
```

```
DOCUMENT.WRITE("FUNCTION EXAMPLE");
```

```
}
```

```
</SCRIPT>
```

```
</HEAD>
```

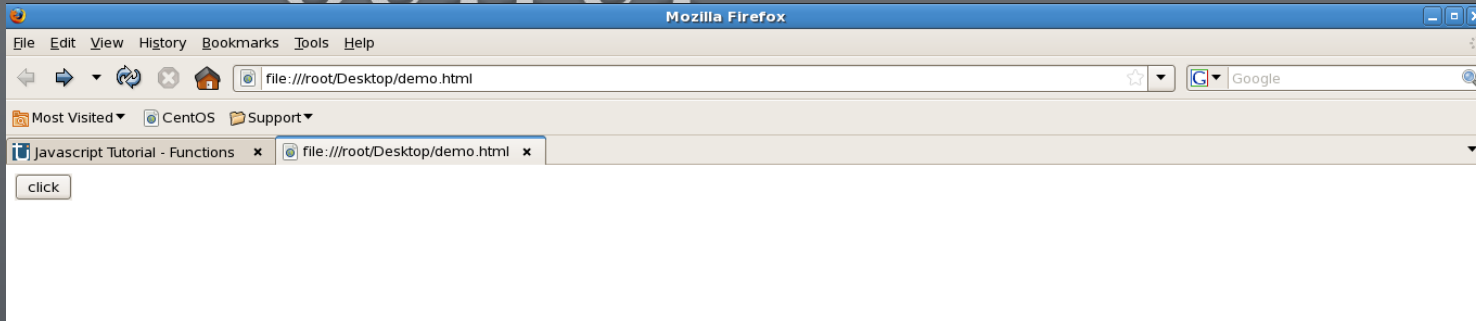
```
<BODY>
```

```
<INPUT TYPE="SUBMIT" VALUE="CLICK"  
ONCLICK="SHOW()"/>
```

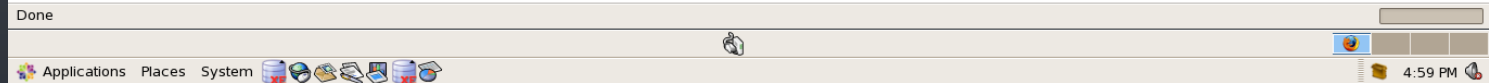
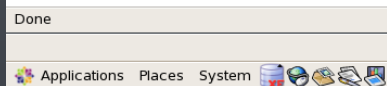
```
</BODY>
```

```
</HTML>
```

# OUTPUT



Function Example



# JAVASCRIPT OPERATORS & CONTROL STATEMENTS

# EXAMPLE

```
<HTML><HEAD><SCRIPT TYPE="TEXT/JAVASCRIPT">
```

```
A=10;B=20;
```

```
FUNCTION ADD(){
```

```
DOCUMENT.WRITE(A+B); }
```

```
FUNCTION COMP(){
```

```
IF(A>B)
```

```
DOCUMENT.WRITE("A IS BIG");
```

```
ELSE
```

```
DOCUMENT.WRITE("B IS BIG"); }
```

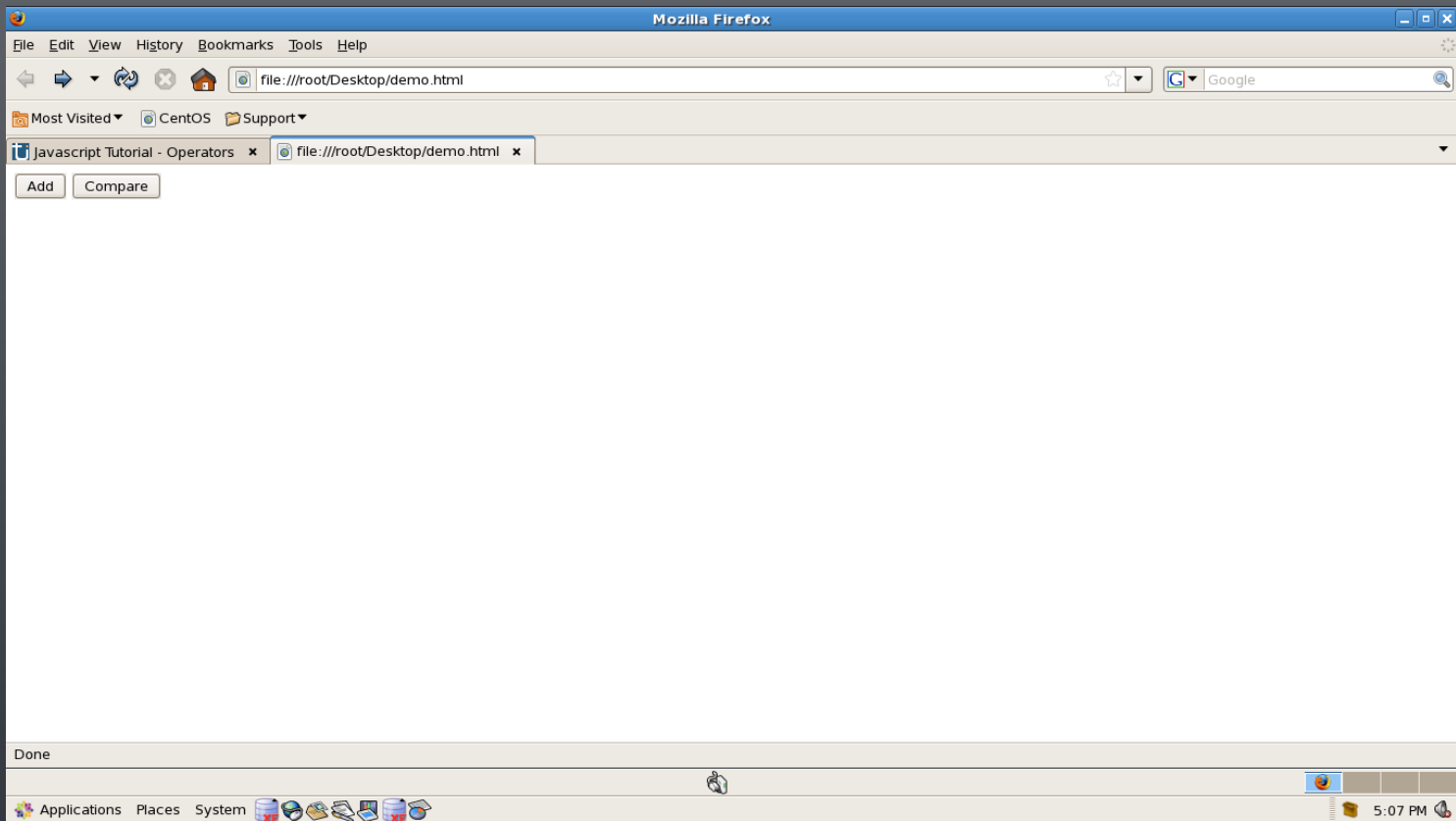
```
</SCRIPT></HEAD><BODY>
```

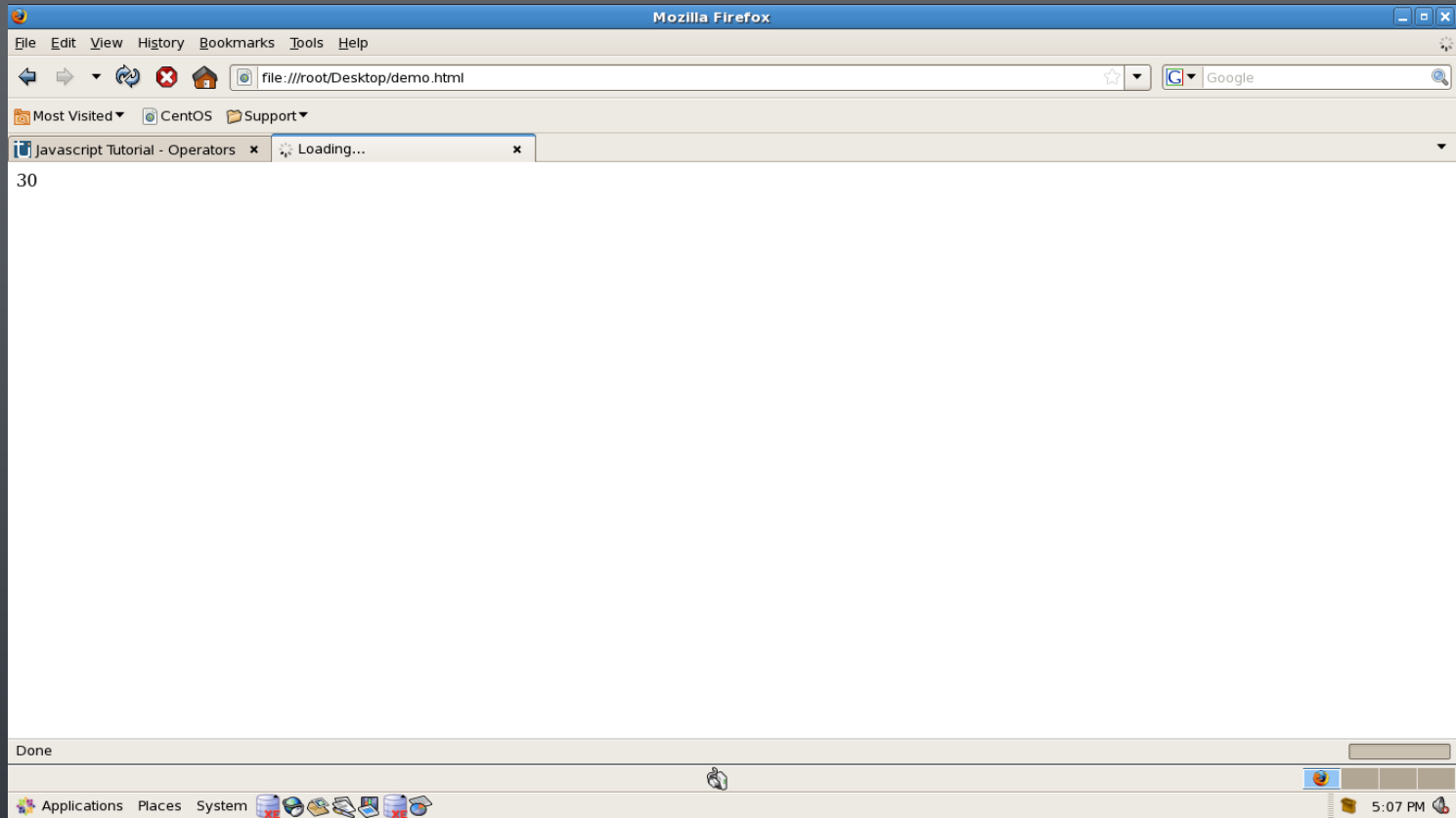
```
<INPUT TYPE="SUBMIT" VALUE="ADD" ONCLICK="ADD()"/>
```

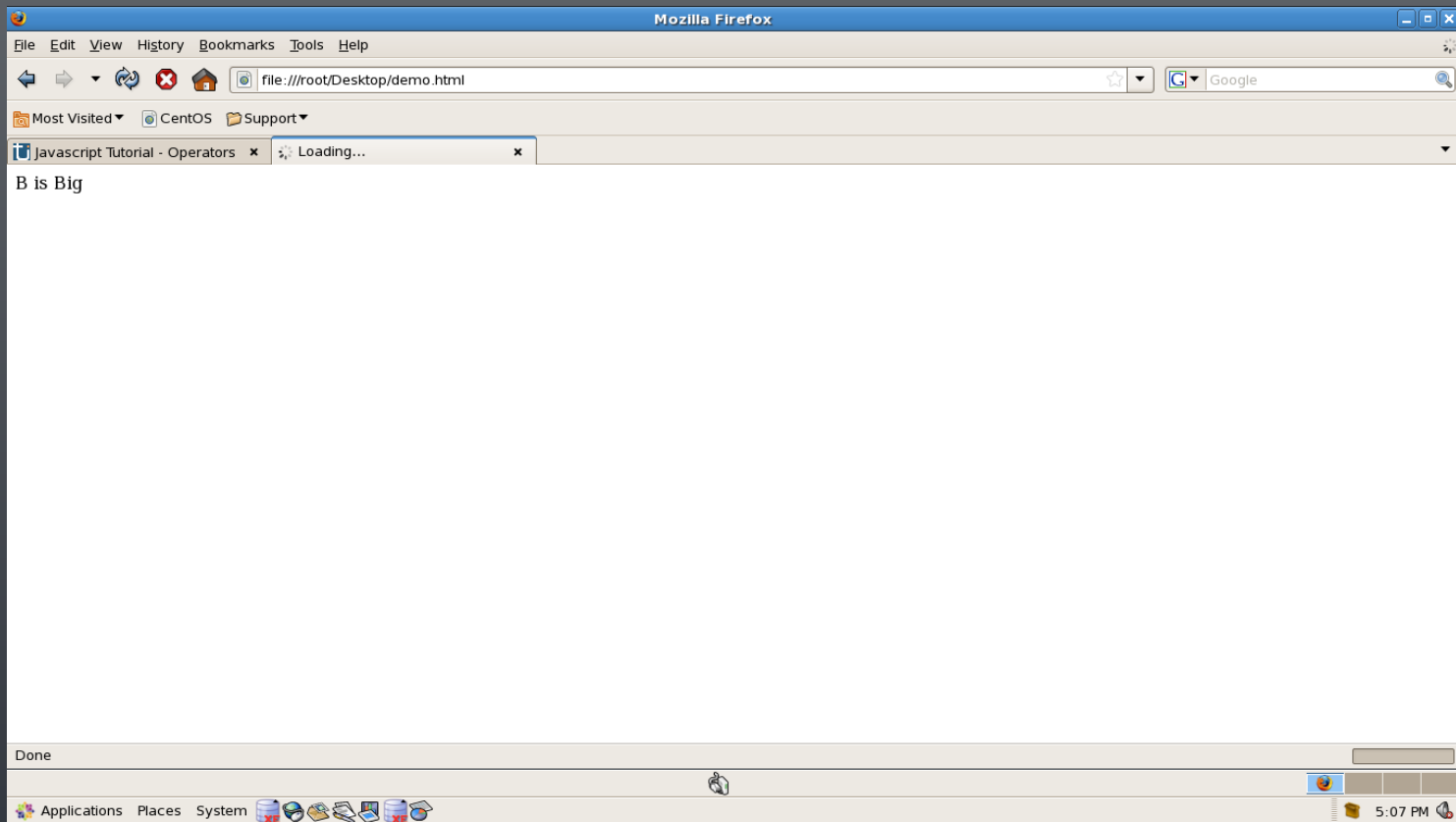
```
<INPUT TYPE="SUBMIT" VALUE="COMPARE"  
ONCLICK="COMP()"/>
```

```
</BODY></HTML>
```

# OUTPUT







# JAVASCRIPT ALERT

```
<HTML><HEAD>
```

```
<SCRIPT TYPE="TEXT/JAVASCRIPT">
```

```
FUNCTION CALL(){
```

```
  ALERT("ALERT DEMO");
```

```
}
```

```
</SCRIPT></HEAD>
```

```
<BODY>
```

```
<INPUT TYPE="SUBMIT" VALUE="ALERT"  
ONCLICK="CALL()"/>
```

```
</BODY></HTML>
```



# JAVASCRIPT CONFIRM

```
<HTML><HEAD>
```

```
<SCRIPT TYPE="TEXT/JAVASCRIPT">
```

```
FUNCTION CALL(){
```

```
CONFIRM("CONFIRM DEMO");
```

```
}
```

```
</SCRIPT></HEAD><BODY>
```

```
<INPUT TYPE="SUBMIT" VALUE="CONFIRM"  
ONCLICK="CALL()"/>
```

```
</BODY>
```

```
</HTML>
```

# JAVASCRIPT PROMPT

```
<HTML><HEAD>
```

```
<SCRIPT TYPE="TEXT/JAVASCRIPT">
```

```
FUNCTION CALL(){
```

```
PROMPT("PROMPT DEMO");
```

```
}
```

```
</SCRIPT></HEAD>
```

```
<BODY>
```

```
<INPUT TYPE="SUBMIT" VALUE="PROMPT"  
ONCLICK="CALL()"/>
```

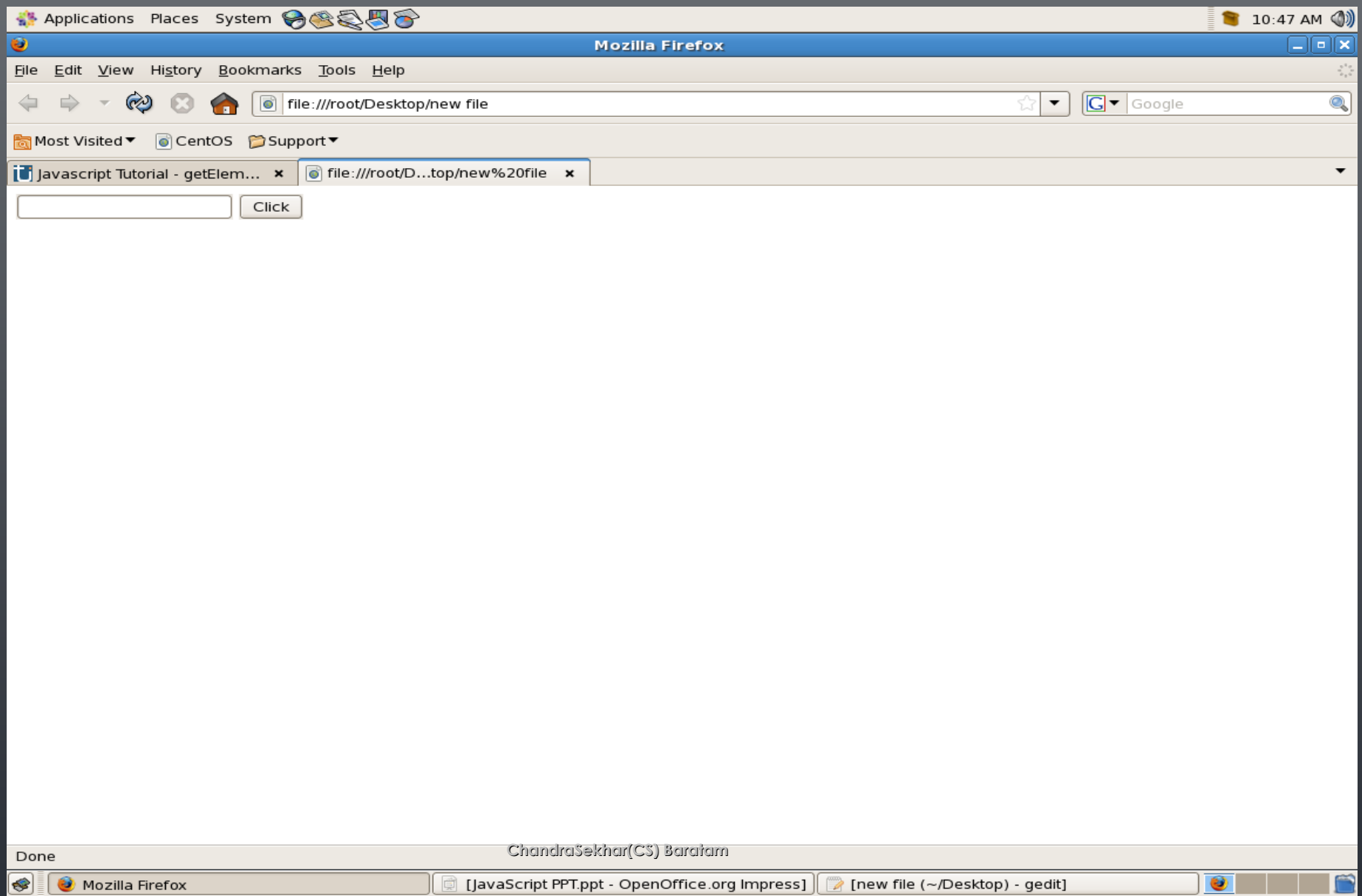
```
</BODY></HTML>
```

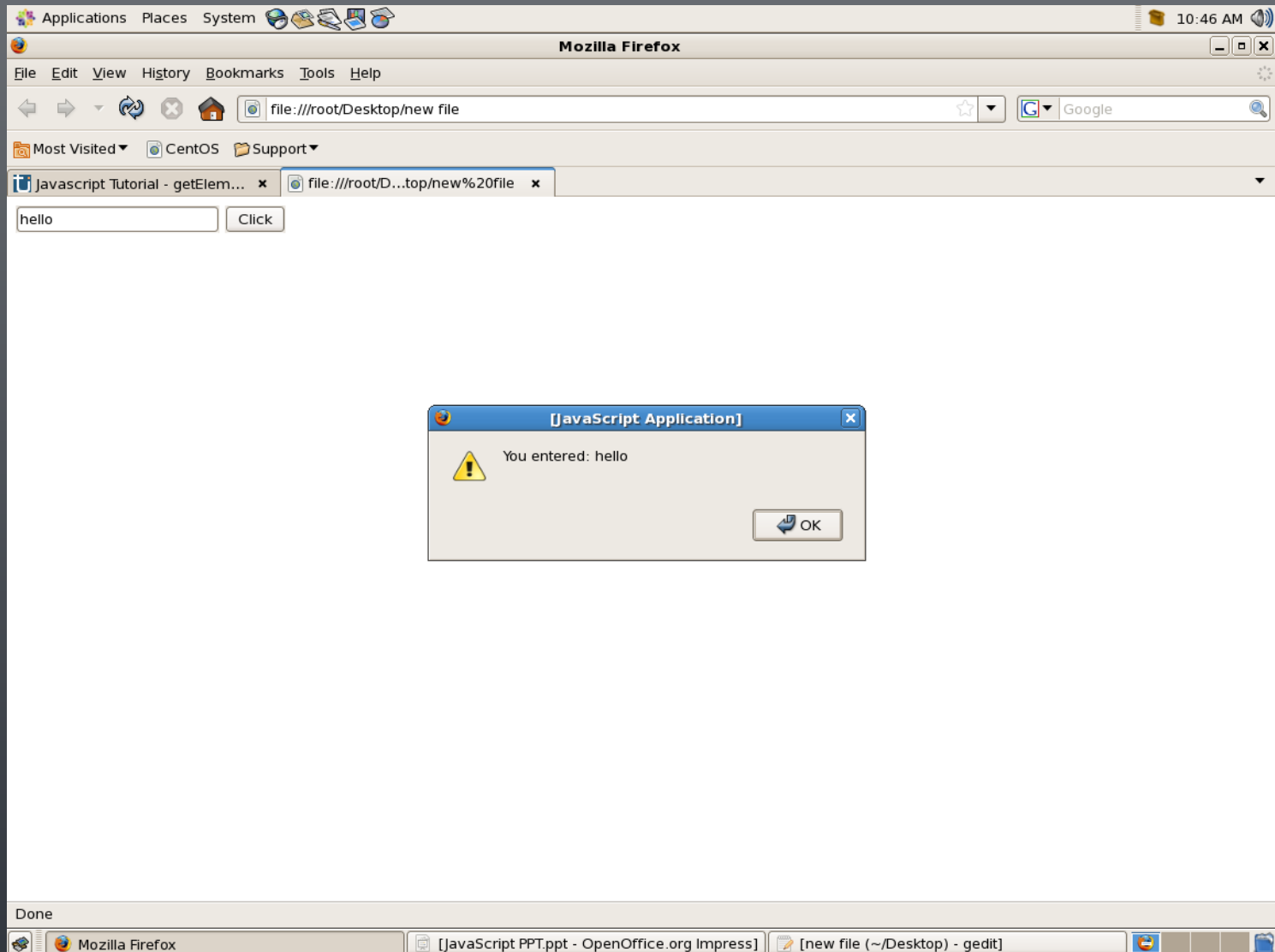
# JAVASCRIPT

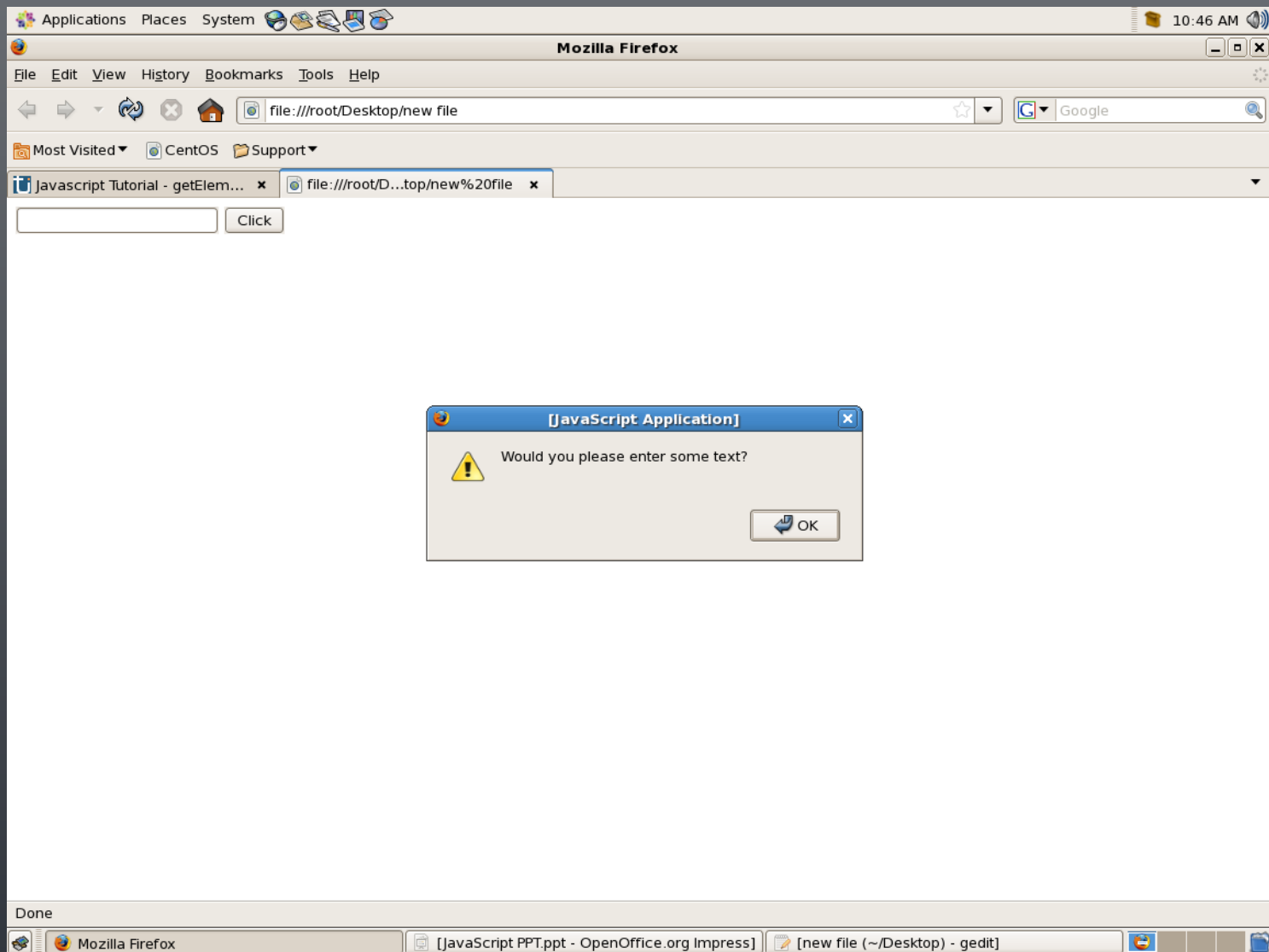
## DOCUMENT.GETELEMENTBYID

```
<HTML><HEAD><SCRIPT TYPE="TEXT/JAVASCRIPT">  
FUNCTION MYFUN(){  
MYTEXTFIELD =  
DOCUMENT.GETELEMENTBYID("MYTEXT");  
IF(MYTEXTFIELD.VALUE != "")  
ALERT("YOU ENTERED: " + MYTEXTFIELD.VALUE)  
ELSE  
ALERT("WOULD YOU PLEASE ENTER SOME TEXT?")  
}  
</SCRIPT><BODY>  
<INPUT TYPE="TEXT" ID="MYTEXT" />  
<INPUT TYPE="SUBMIT" VALUE="CLICK"  
ONCLICK="MYFUN()" />  
</BODY></HTML>
```

# OUTPUT







# EXAMPLE

```
<HTML><HEAD><SCRIPT TYPE="TEXT/JAVASCRIPT">
FUNCTION MYFUN(){
MYTEXTFIELD = DOCUMENT.FORM1.T1;
IF(MYTEXTFIELD.VALUE != "")
ALERT("YOU ENTERED: " + MYTEXTFIELD.VALUE)
ELSE
ALERT("WOULD YOU PLEASE ENTER SOME TEXT?")
}
</SCRIPT><BODY><FORM NAME="FORM1" >
<INPUT TYPE="TEXT" NAME="T1" />
<INPUT TYPE="SUBMIT" VALUE="CLICK"
ONCLICK="MYFUN()" />
</FORM></BODY></HTML>
```

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# JAVASCRIPT - EVENTS



# ONCLICK

```
<HTML><HEAD><SCRIPT TYPE="TEXT/JAVASCRIPT">  
FUNCTION MYFUN(){  
MYTEXTFIELD = DOCUMENT.FORM1.T1;  
IF(MYTEXTFIELD.VALUE != "")  
ALERT("YOU ENTERED: " + MYTEXTFIELD.VALUE)  
ELSE  
ALERT("WOULD YOU PLEASE ENTER SOME TEXT?")  
}  
</SCRIPT><BODY><FORM NAME="FORM1" >  
<INPUT TYPE="TEXT" NAME="T1" />  
<INPUT TYPE="SUBMIT" VALUE="CLICK"  
ONCLICK="MYFUN()" />  
</FORM></BODY></HTML>
```

# ONCLICK CONT..

```
<HTML><HEAD><SCRIPT  
TYPE="TEXT/JAVASCRIPT">
```

```
</SCRIPT><BODY><FORM NAME="FORM1" >
```

```
<INPUT TYPE="RADIO" NAME="C1"  
ONCLICK="DOCUMENT.BGCOLOR='RED'">RED
```

```
<INPUT TYPE="RADIO" NAME="C1"  
ONCLICK="DOCUMENT.BGCOLOR='GREEN'">G  
REEN
```

```
<INPUT TYPE="RADIO" NAME="C1"  
ONCLICK="DOCUMENT.BGCOLOR='BLUE'">BL  
UE
```

```
</FORM></BODY></HTML>
```

# ONMOUSEOVER & ONMOUSEOUT

```
<HTML>
```

```
<BODY>
```

```
<A HREF="WWW.GOOGLE.COM"
```

```
ONMOUSEOVER="DOCUMENT.BGCOLOR='RED' "
```

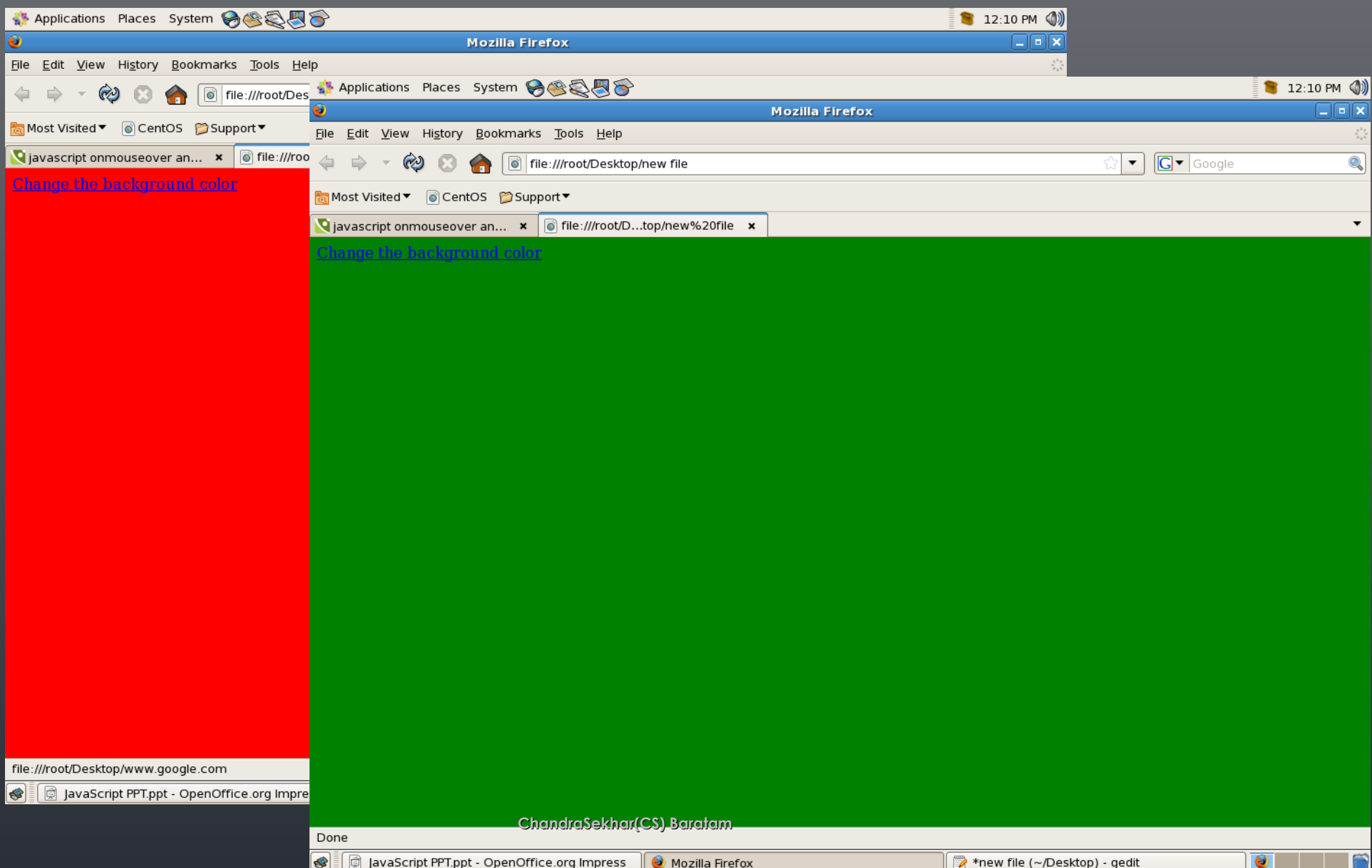
```
ONMOUSEOUT="DOCUMENT.BGCOLOR='GREEN'">
```

```
CHANGE THE BACKGROUND COLOR </A>
```

```
</BODY>
```

```
</HTML>
```

# OUTPUT



# ONFOCUS

<HTML>

<BODY>

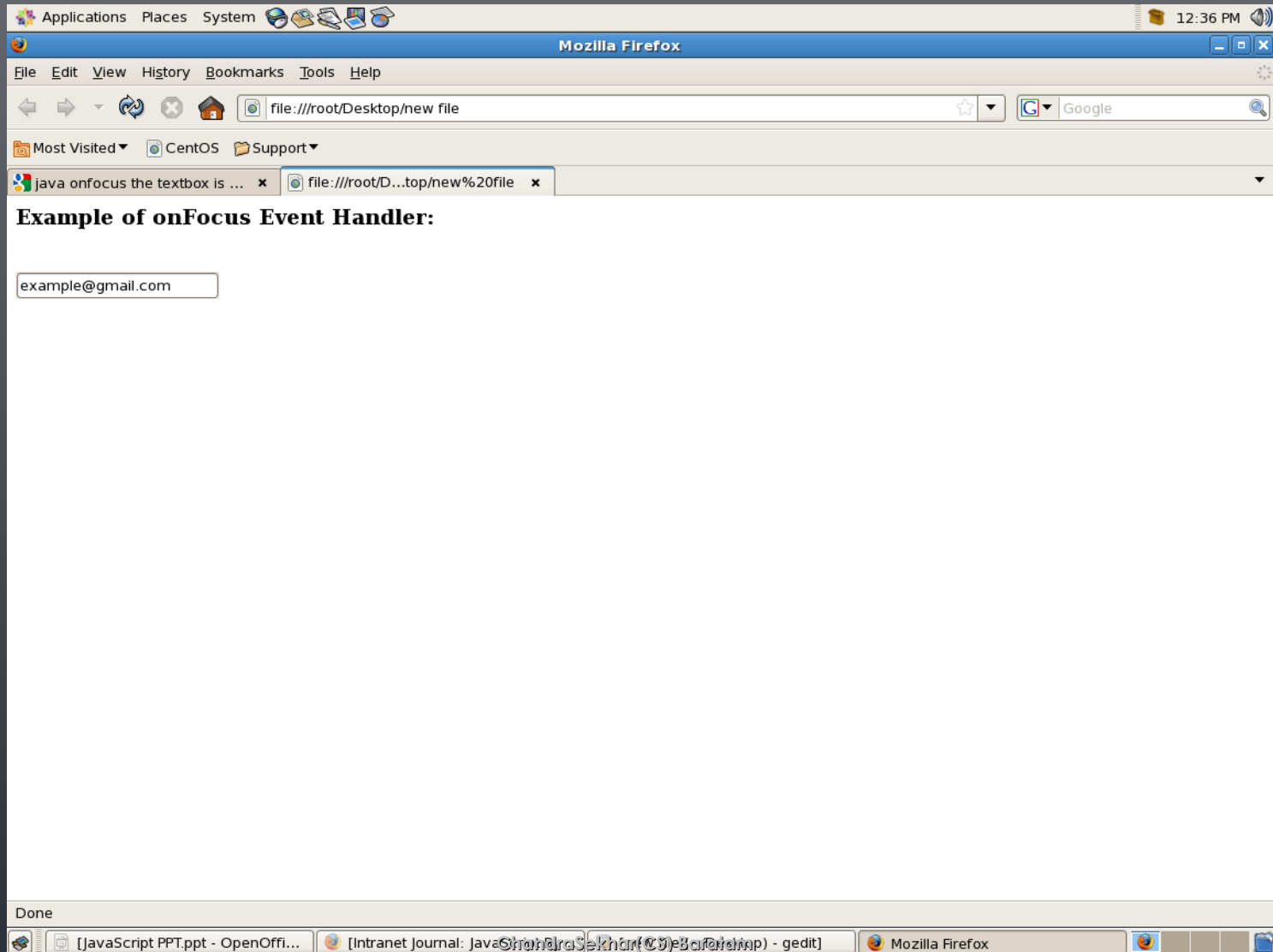
<H3>EXAMPLE OF ONFOCUS EVENT  
HANDLER:</H3>

<BR>

<INPUT TYPE="TEXT" NAME="DATA"  
VALUE="EXAMPLE@GMAIL.COM"  
ONFOCUS="THIS.VALUE="">

</BODY></HTML>

# OUTPUT



# ONBLUR

```
<HTML>
```

```
<HEAD><SCRIPT LANGUAGE="JAVASCRIPT">
```

```
FUNCTION VALID(){
```

```
INPUT=DOCUMENT.MYFORM.DATA.VALUE;
```

```
IF (INPUT<0){
```

```
ALERT("PLEASE ENTER A VALUE THAT IS GREATER  
THAN 0");}
```

```
}
```

```
</SCRIPT></HEAD><BODY>
```

```
<H3>EXAMPLE OF ONBLUR EVENT HANDLER:</H3>
```

```
TRY ENTERING A VALUE LESS THAN ZERO:<BR>
```

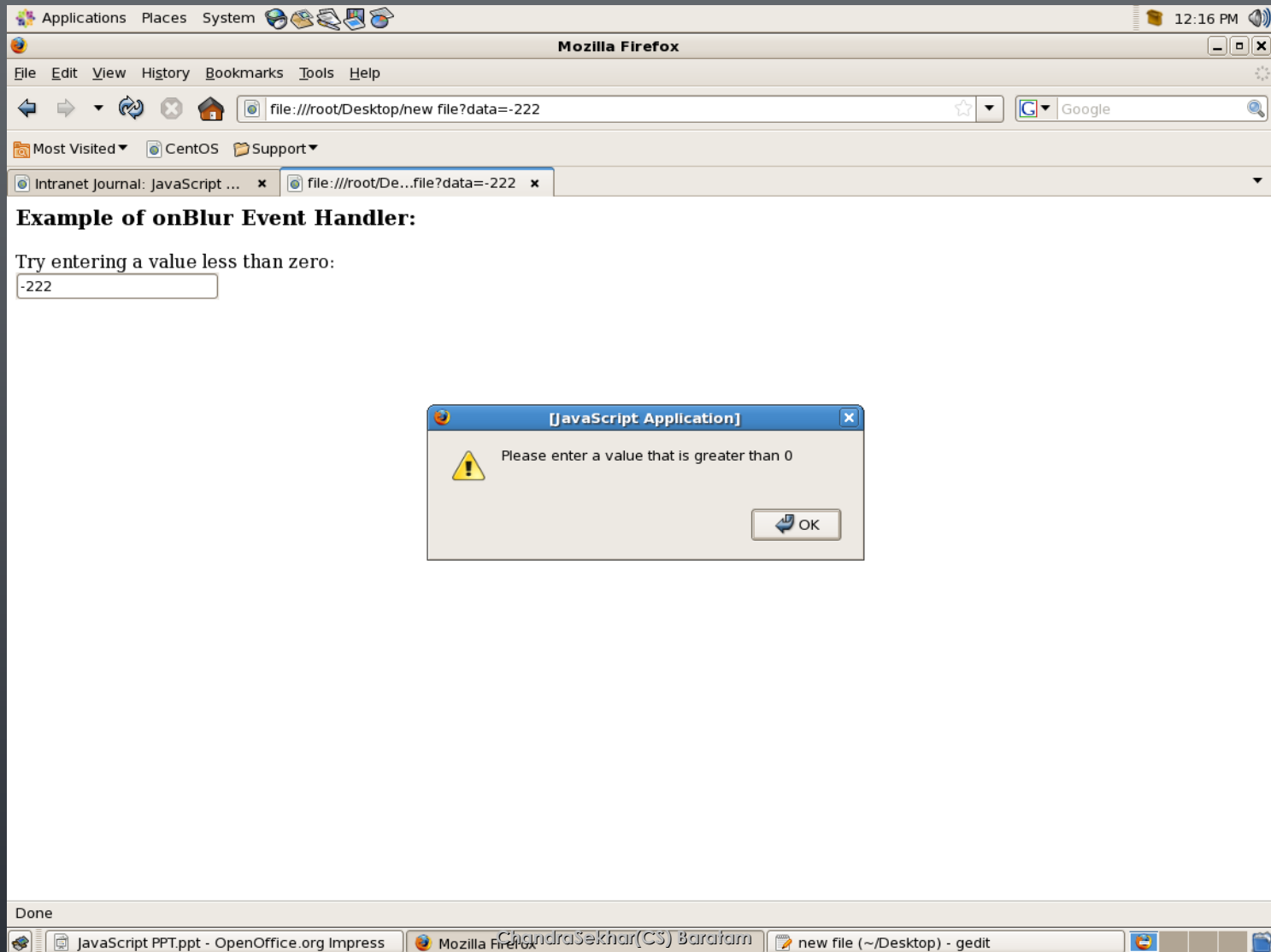
```
<FORM NAME="MYFORM">
```

```
<INPUT TYPE="TEXT" NAME="DATA"  
ONBLUR="VALID()">
```

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```
</FORM></BODY></HTML>
```

# OUTPUT





# ONCHANGE

```
<HTML><SCRIPT LANGUAGE="JAVASCRIPT">
```

```
FUNCTION MYFUN(){
```

```
  ALERT(FORM1.SELECT1.VALUE);
```

```
}
```

```
</SCRIPT><BODY>
```

```
<H3>EXAMPLE OF ONCHANGE EVENT  
HANDLER:</H3><BR>
```

```
<FORM NAME="FORM1">
```

```
<SELECT NAME="SELECT1" ONCHANGE="MYFUN()">
```

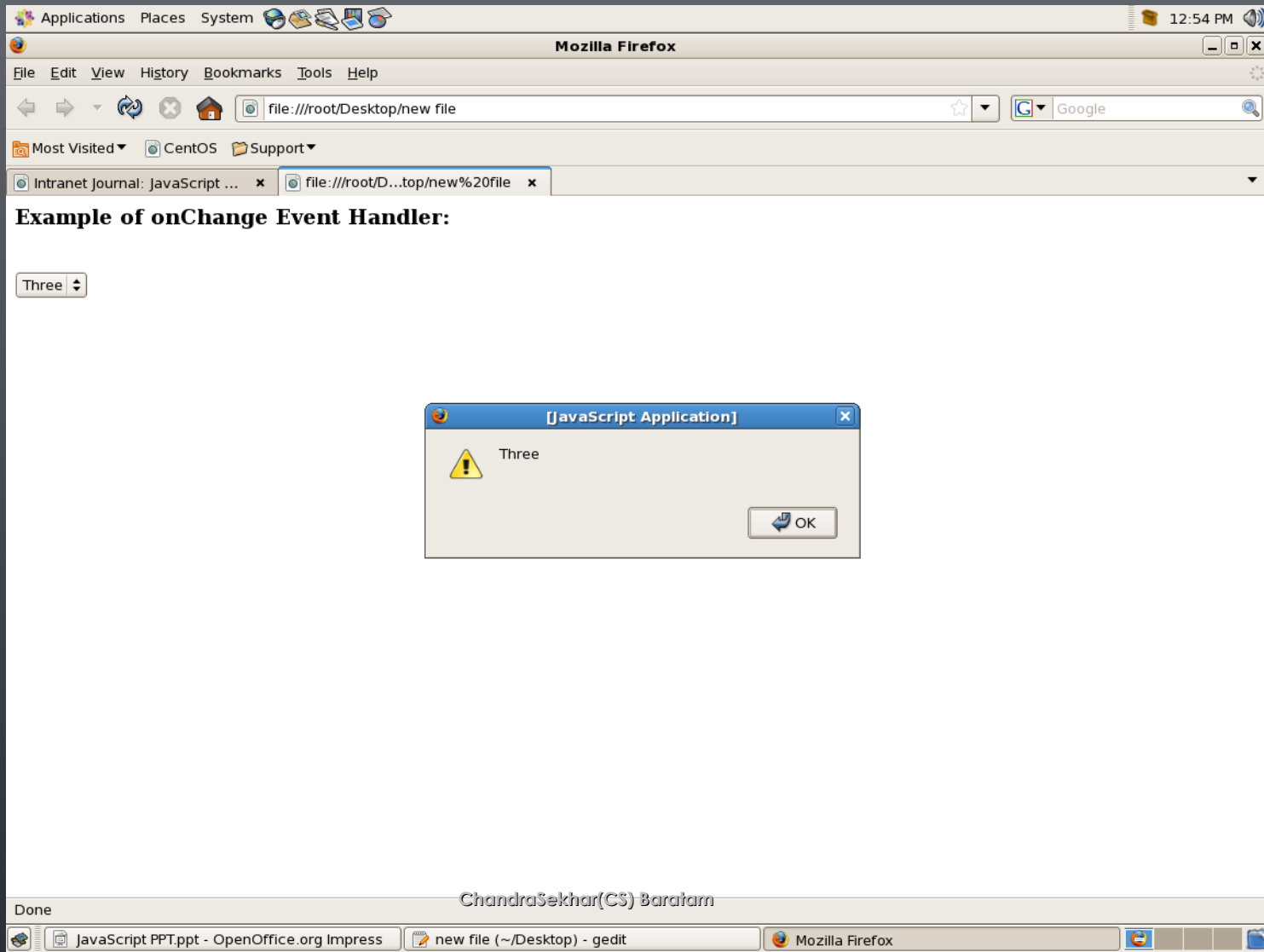
```
<OPTION>ONE</OPTION>
```

```
<OPTION>TWO</OPTION>
```

```
<OPTION>THREE</OPTION>
```

```
</SELECT></FORM></BODY></HTML>
```

# OUTPUT



# ONLOAD

```
<HTML>
```

```
<SCRIPT LANGUAGE="JAVASCRIPT">
```

```
FUNCTION MYFUN(){
```

```
  ALERT("WELCOME");
```

```
}
```

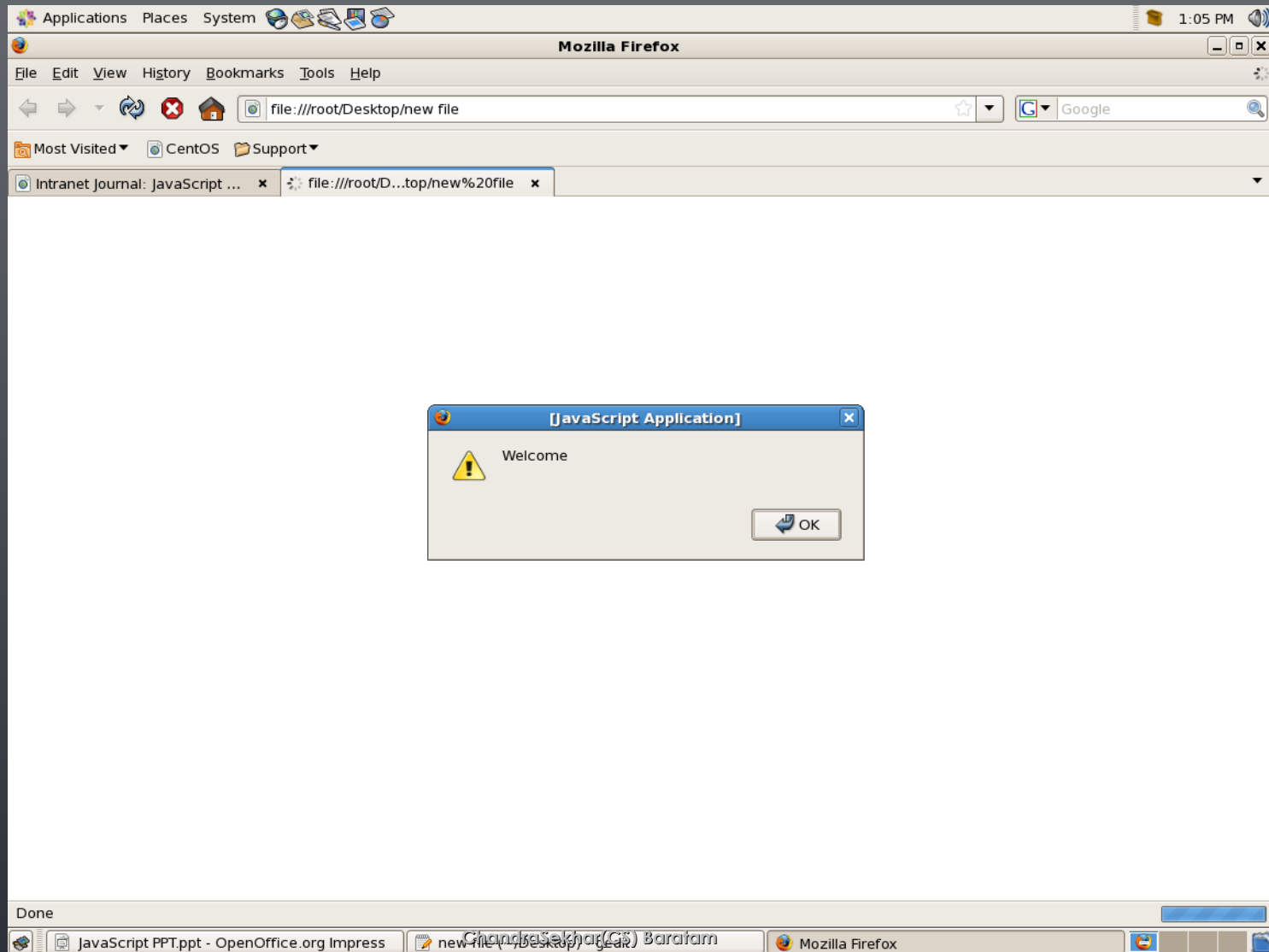
```
</SCRIPT>
```

```
<BODY ONLOAD="MYFUN()">
```

```
</BODY>
```

```
</HTML>
```

# OUTPUT



# ONUNLOAD

```
<HTML>
```

```
<HEAD><SCRIPT LANGUAGE="JAVASCRIPT">
```

```
FUNCTION GOODBYE(){
```

```
  ALERT("THANKS FOR VISITING!");
```

```
}
```

```
</SCRIPT>
```

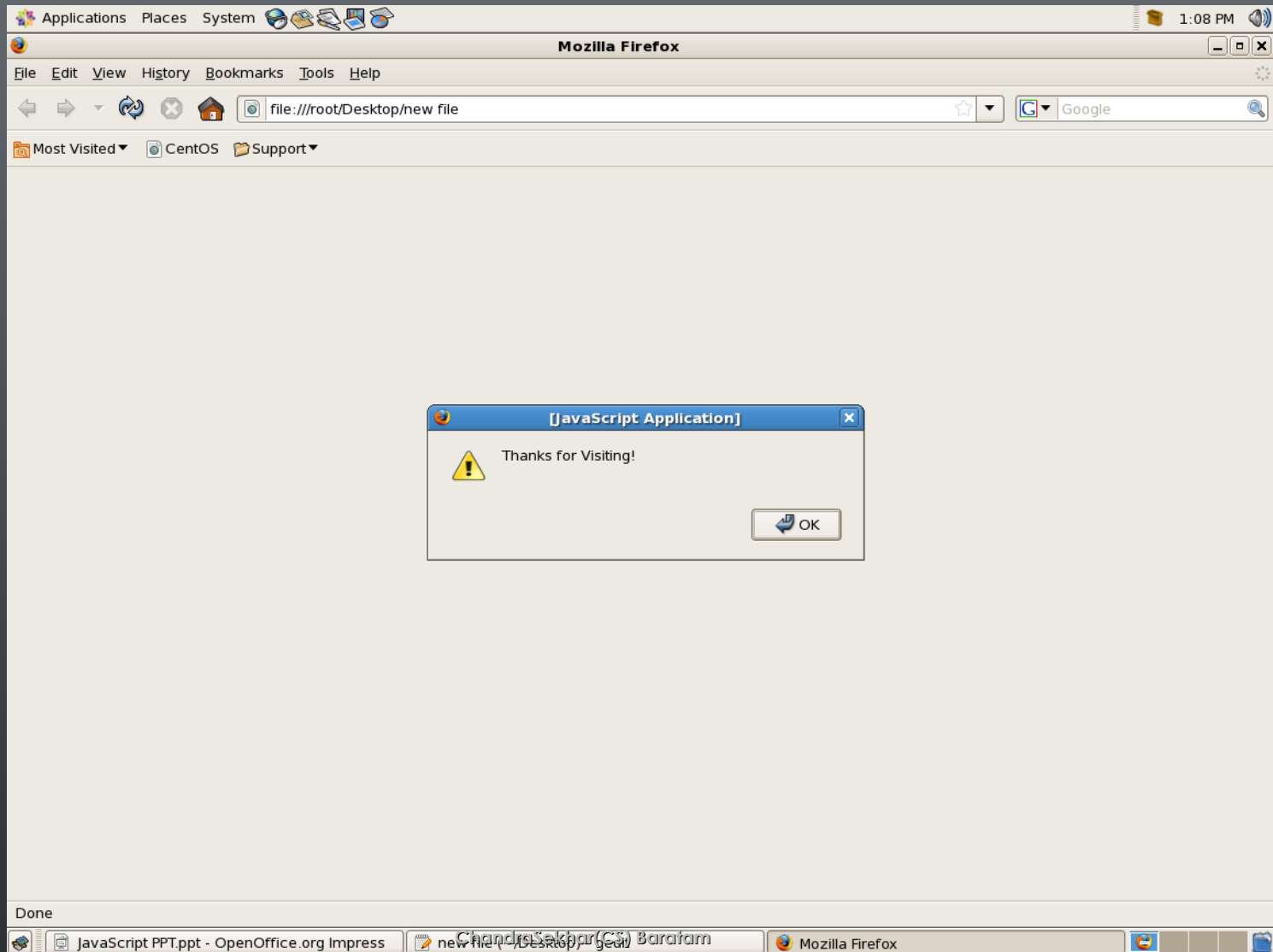
```
</HEAD><BODY ONUNLOAD="GOODBYE()">
```

```
<H3>EXAMPLE OF ONUNLOAD EVENT  
HANDLER</H3>
```

LOOK WHAT HAPPENS WHEN YOU TRY TO LEAVE  
THIS PAGE...

```
</BODY></HTML>
```

# OUTPUT



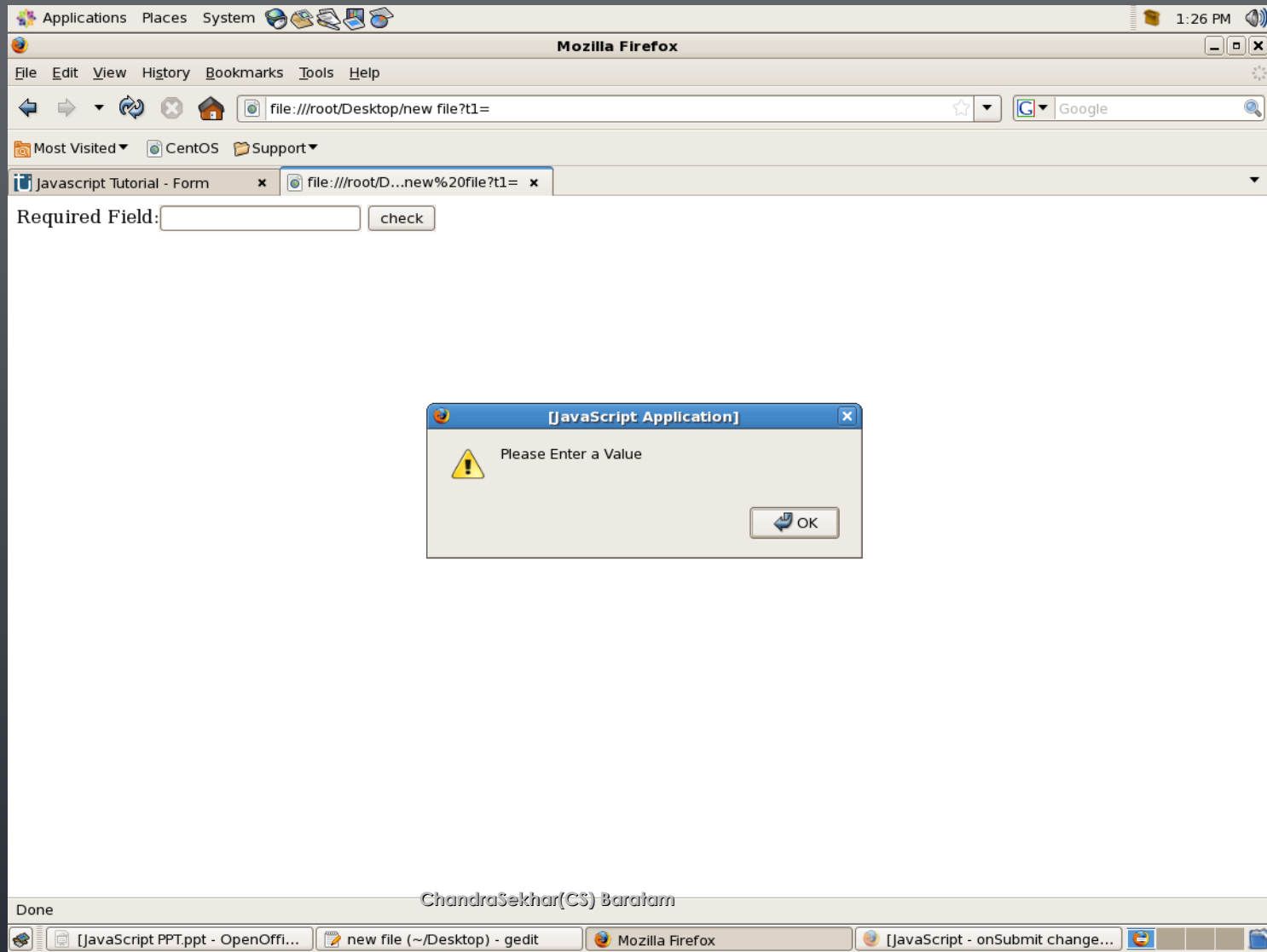
# JAVASCRIPT FORM VALIDATION

**FORM VALIDATION -  
CHECKING FOR NON-EMPTY**

```
<HTML><SCRIPT LANGUAGE="JAVASCRIPT">  
FUNCTION NOTEMPTY(){  
  IF(DOCUMENT.FORM1.T1.VALUE=="")  
    ALERT("PLEASE ENTER A VALUE");}  
</SCRIPT><BODY>  
<FORM NAME="FORM1">  
  REQUIRED FIELD:<INPUT TYPE="TEXT"  
  NAME="T1"/>  
<INPUT TYPE="SUBMIT" VALUE="CHECK"  
  ONCLICK="NOTEMPTY()"/>  
</FORM></BODY></HTML>
```



# OUTPUT



# FORM VALIDATION -

## RESTRICTING THE LENGTH

```
<HTML><SCRIPT LANGUAGE="JAVASCRIPT">
```

```
FUNCTION MYFUN(){
```

```
S=DOCUMENT.FORM1.TEXTBOX1.VALUE;
```

```
IF(S.LENGTH < 5 )
```

```
    ALERT("ENTER ATLEAST 5 CHARACTERS");
```

```
}
```

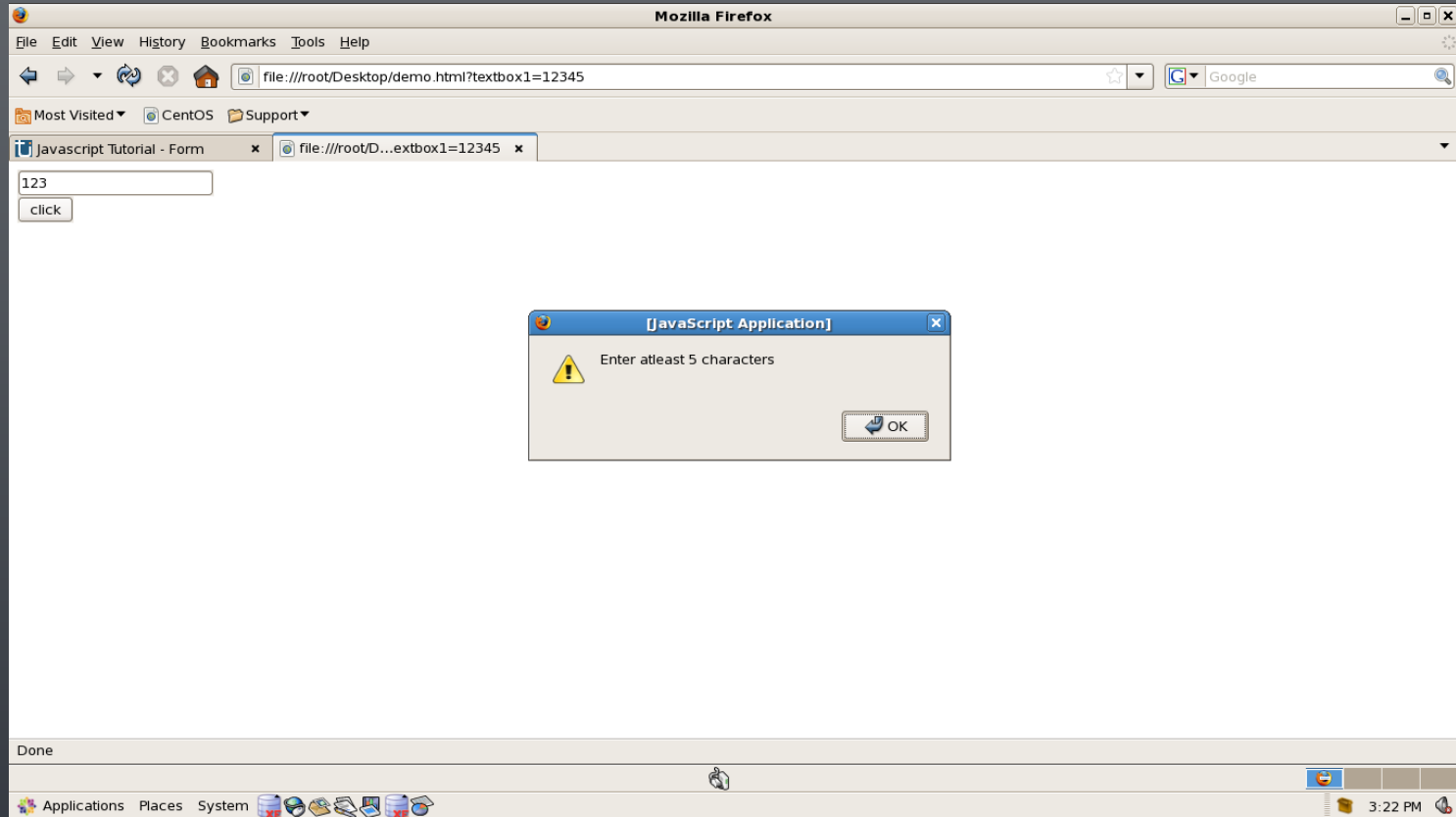
```
</SCRIPT><BODY><FORM NAME="FORM1">
```

```
<INPUT TYPE="TEXT" NAME="TEXTBOX1" /><BR>
```

```
<INPUT TYPE="SUBMIT" VALUE="CLICK"  
ONCLICK="MYFUN()"/>
```

```
</FORM></BODY></HTML>
```

# OUTPUT



# FORM VALIDATION - CHECKING FOR ALL NUMBERS

```
<HTML><SCRIPT LANGUAGE="JAVASCRIPT">  
FUNCTION ISNUMERIC(){  
    VAR NUMERICEXPRESSION = /^[0-9]+$;/  
    IF(!  
DOCUMENT.FORM1.TEXTBOX1.VALUE.MATCH(NUMERICEX  
PRESSION))  
        ALERT("ENTER NUMBERS ONLY");  
    }  
</SCRIPT><BODY>  
<FORM NAME="FORM1">  
<INPUT TYPE="TEXT" NAME="TEXTBOX1" /><BR>  
<INPUT TYPE="SUBMIT" VALUE="CLICK"  
ONCLICK="ISNUMERIC()"/>  
</FORM></BODY></HTML>
```

# OUTPUT

