```javascript
var _IE=0;
var _active_language="";
var _font_size=41;
var _font_family="";
var extName="";
var _level=1;
var _caps=0;
var _shift_left=0;
var _shift_right=0;
var _alt_left=0;
var _alt_right=0;
var _ctrl_left=0;
var _ctrl_right=0;
var download_url="";
var simulate_mouse_click=0;
var ctrl_btn=0;
var alt_btn=0;
var shift_btn=0;
var SHIFT_KEY=16;
var CTRL_KEY=17;
var ALT_KEY=18;
var TAB_KEY=9;
var ENTER_KEY=13;
var BKSPACE_KEY=8;
var CAPS_KEY=20;
var DEL_KEY=46;
var ESC_KEY=27;
var SPACE=" ";
var PGUP_KEY=33;
var PGDN_KEY=34;
var UP_KEY=38;
var DN_KEY=40;
var SPACE_KEY=32;
var _activeWord=1;
var _totalWords=3;
var _autoComp=0;
var exit=0;
var _hide=1;
var _kSemiColon=59;
var _kEqual=107;
var _kMinus=109;
if($.browser.webkit)
{
  _kSemiColon=186;
  _kEqual=187;
  _kMinus=189
}
var alphanumeric_ids=[192,49,50,51,52,53,54,55,56,57,48,_kMinus,_kEqual,-1,-1,81,87,
69,82,84,89,85,73,79,80,219,221,220,-1,65,83,68,70,71,72,74,75,76,_kSemiColon,222,-1
,-1,90,88,67,86,66,78,77,188,190,191,-1,-1,-1,32,-1,-1];
var s=new Array();
s.A="\u0251";
s["{"]="\u00E6";
s["6"]="\u0250";
s.Q="\u0252";
s.E="\u025B";
s["@"]="\u0259";
s["3"]="\u025C";
s.I="\u026A";
s.O="\u0254";
s["2"]="\u00F8";
s["9"]="\u0153";
s["&"]="\u0276";
s.U="\u028A";
s["
}
```

```javascript
"]="\u0289";
s.V="\u028C";
s.Y="\u028F";
s.B="\u03B2";
s.C="\u0231";
s.D="\u00F0";
s.G="\u0263";
s.L="\u028E";
s.J="\u0272";
s.N="\u014B";
s.R="\u0281";
s.S="\u0283";
s.T="\u03B8";
s.H="\u0265";
s.Z="\u0292";
s["?"]="\u0294";
s[":"]="\u02D0";
s['"']="\u02C8";
s["%"]="\u02CC";
var x=new Array();
x.a=new Array("&#x0251;
","&#x0252;
","&#x0250;
","&aelig;
","&#x0276;
","&alpha;
");
x.b=new Array("&#x0299;
","&beta;
","&#x0253;
","&#x025E;
");
x.c=new Array("&#x0254;
","&ccedil;
","&#x0276;
","&#x0255;
","&#x010D;
");
x.d=new Array("&#x0256;
","&#x0257;
","&#x1E0D;
","&#x00F0;
","d&#x032A;
");
x.e=new Array("&#x0259;
","&#x025A;
","&#x0258;
","&#x1EB9;
","&#x025B;
","&#x025C;
","&epsilon;
");
x.f=new Array("&#x0278;
","&#x0284;
","&#x025F;
");
x.g=new Array("&#x0260;
","&#x0261;
","&#x0262;
","&#x029B;
","&gamma;
","&#x0263;
");
x.h=new Array("&#x0127;
","&#x0266;
","&#x0265;
```

```
","&#x029C;
","&#x0267;
","&#x1E27;
","&#x02B0;
");
x.i=new Array("&#x026A;
","&#x0268;
","&#x026A;
&#x0308;
");
x.j=new Array("&#x025F;
","&#x029D;
","&#x01F0;
","&#x02B2;
");
x.l=new Array("&#x029F;
","&#x026D;
","&#x026E;
","&#x026B;
","&#x026C;
");
x.m=new Array("&#x0271;
","&#x026F;
","&#x0270;
");
x.n=new Array("&#x014B;
","&#x0272;
","&#x0273;
","n&#x032A;
");
x.o=new Array("&#x0254;
","&#x0153;
","&#x0252;
","&ouml;
","&#x1ECD;
");
x.p=new Array("&#x0278;
");
x.r=new Array("&#x0279;
","&#x0280;
","&#x0281;
","&#x027E;
","&#x027D;
");
x.s=new Array("&#x0283;
","&#x0282;
","&#x0161;
","&#x0284;
","&#x015B;
","&#x1E63;
");
x.t=new Array("&theta;
","&#x00F0;
","&#x0288;
","&#x1E6D;
","t&#x032A;
");
x.u=new Array("&#x028A;
","&uuml;
","&#x0289;
");
x.v=new Array("&#x028B;
","&#x028C;
");
x.w=new Array("<sup>w</sup>","&#x0175;
","&#x02B7;
```

```
","&#x026F;
","&#x0270;
");
x.x=new Array("&chi;
");
x.y=new Array("&#x028F;
","&#x028E;
","&#x0177;
","&#x0263;
","&#x0264;
");
x.z=new Array("&#x0292;
","&#x0290;
","&#x017E;
","&#x01E93;
","&#x0291;
");
x["0"]=new Array("&oslash;
","&#x0298;
","&#x0275;
");
x["1"]=new Array("|","&#x01C0;
","&#x2016;
","&#x01C1;
","&#x01C2;
");
x["2"]=new Array("&#x0294;
","&#x0295;
","&#x02A1;
","&#x02A2;
");
x["3"]=new Array("&#x025B;
","&#x025C;
","&#x0292;
","&#x025D;
","&#x025E;
");
x["="]=new Array("&#x2016;
","&#x01C1;
","&#x01C2;
");
x[":"]=new Array("&#x02D0;
");
x["'"]=new Array("&#x02D1;
");
x["/"]=new Array("&#x030B;
","&#x0301;
");
x["\\"]=new Array("&#x030F;
","&#x0300;
");
x._=new Array("&#x0325;
","&#x032F;
","&#x032C;
","&#x0339;
","&#x031C;
","&#x031F;
","&#x035C;
");
x["^"]=new Array("&#x030A;
","&#x02DE;
","&#x0303;
","&#x0308;
","&#x033D;
","&#x0361;
");
```

```javascript
x["?"]=x["2"];
x["|"]=x["1"];
function save_as(a)
{
  var b=download_url+"/"+a+"/"+Math.floor(Math.random()*100000);
  window.location=b
}
function init(a)
{
  check_IE_browser();
  $("#preview").css({"font-size":_font_size
}
);
load_keyboard(_active_language);
updateCharCount();
extName=a;
$("#extName").val(extName)
}
function reset_ctrl_keys()
{
  _shift_left=0;
  _shift_right=0;
  _alt_left=0;
  _alt_right=0;
  _ctrl_left=0;
  _ctrl_right=0
}
function reset_tabs()
{
  $("ul.tabs li").removeClass("active");
  $("ul.tabs li").each(function(a)
  {
    if($(this).text()=="Keyboard")
    {
      $(this).addClass("active");
      $(this).click()
    }

  }
  )
}
function load_keyboard(b)
{
  var a="";
  if(b!=_active_language)
  {

  }
  update_key_logic();
  _active_language=b;
  $("#preview").focus();
  switch(b)
  {
    case"Smart IPA":a=Smart_IPA();
    break;
    case"Sampa English":a=Sampa_English();
    break;
    case"IPA English":a=IPA_English();
    break;
    case"Superscript":a=Superscript();
    break;
    case"Subscript":a=Subscript();
    break;
    case"Reversed":a=Reversed();
    break;
    case"LeftRight":a=LeftRight();
```

```javascript
      break;
      case"Extended":a=Extended();
      break;
      case"Barred":a=Barred();
      break
   }
   $("#keyboard").html(a);
   update_highlight()
}
function update_key_logic()
{
   var c=_alt_left||_alt_right;
   var b=_ctrl_left||_ctrl_right;
   var a=_shift_left||_shift_right;
   if((b&&c&&a)||(_alt_right&&a))
   {
      _level=4
   }
   else
   {
      if((b&&c)||_alt_right)
      {
         _level=3
      }
      else
      {
         if(a)
         {
            if(_caps)
            {
               _level=1
            }
            else
            {
               _level=2
            }

         }
         else
         {
            if(_caps)
            {
               _level=5
            }
            else
            {
               _level=1
            }

         }

      }

   }

}
function update_highlight()
{
   if(_caps==1)
   {
      $("#caps").css({background:"#0097DD"
   }
   )
}
if(_shift_left==1)
{
```

```javascript
        $("#shift_left").css({background:"#FE0E5D"
}
)
}
if(_shift_right==1)
{
    $("#shift_right").css({background:"#FE0E5D"
}
)
}
if(_alt_left==1)
{
    $("#alt_left").css({background:"#FE0E5D"
}
)
}
if(_alt_right==1)
{
    $("#alt_right").css({background:"#FE0E5D"
}
)
}
if(_ctrl_left==1)
{
    $("#ctrl_left").css({background:"#FE0E5D"
}
)
}
if(_ctrl_right==1)
{
    $("#ctrl_right").css({background:"#FE0E5D"
}
)
}

}
function updateCharCount()
{
    var a=$("#preview").val().length;
    $("#iChar").val(a);
    if(a>140)
    {
        $("#iChar").css({color:"#FF0054"
    }
    )
}
else
{
    $("#iChar").css({color:"#444"
}
)
}

}
function check_IE_browser()
{
    var a={Version:function()
    {
        var b=999;
        if(navigator.appVersion.indexOf("MSIE")!=-1)
        {
            b=parseFloat(navigator.appVersion.split("MSIE")[1])
        }
        return b
    }
```

```javascript
}
;
if(a.Version()<9)
{
  _IE=1
}

}
function update_fonts(a)
{
  _font_family=a;
  $("#preview").css({"font-family":a
}
)
}
function get_active_language()
{
  var b=document.getElementById("ListBox_Languages");
  var a=b.selectedIndex;
  var c=b.options[a].value;
  return c
}
function get_next_pane()
{
  var d=document.getElementById("ListBox_Types_fonts");
  var c=d.length;
  var b=d.selectedIndex;
  if(b<c-1)
  {
    b+=1
  }
  else
  {
    b=0
  }
  d.selectedIndex=b;
  var a=d.options[b].value;
  update_fonts(a)
}
function get_back_pane()
{
  var d=document.getElementById("ListBox_Types_fonts");
  var c=d.length;
  var b=d.selectedIndex;
  if(b>0)
  {
    b-=1
  }
  else
  {
    b=c-1
  }
  d.selectedIndex=b;
  var a=d.options[b].value;
  update_fonts(a)
}
function get_next_keyboard()
{
  var d=document.getElementById("ListBox_Languages");
  var c=d.length;
  var b=d.selectedIndex;
  if(b<c-1)
  {
    b+=1
  }
  else
```

```
    {
      b=0
    }
    d.selectedIndex=b;
    var a=d.options[b].value;
    _active_language=a;
    load_keyboard(_active_language)
}
function get_back_keyboard()
{
    var d=document.getElementById("ListBox_Languages");
    var c=d.length;
    var b=d.selectedIndex;
    if(b>0)
    {
      b-=1
    }
    else
    {
      b=c-1
    }
    d.selectedIndex=b;
    var a=d.options[b].value;
    _active_language=a;
    load_keyboard(_active_language)
}
function hideBanner()
{
    $("#iBanner").slideUp("slow");
    goPageTop();
    $("#hide_banner").text("Show Top Banner")
}
function goPageTop()
{
    $("html, body").animate({scrollTop:0
}
,500)
}
function updateUI(b,a)
{
    $("#"+b+" option:selected").removeAttr("selected");
    $("#"+b+" option[value="+a+"]").attr("selected","selected");
    load_keyboard(a)
}
function getCaretTopLeftPos()
{
    var b=$("#preview").width();
    var k=$("#preview").height();
    var e=$("#preview").val();
    var q=document.getElementById("preview");
    var n=getCaret(q);
    var a=$("#divClonePreview");
    a.css({"font-family":_font_family
}
);
a.css({"font-size":_font_size
}
);
var d="_";
var p=$("#spanClonePreview");
p.css({"font-family":_font_family
}
);
p.css({"font-size":_font_size
}
);
```

```javascript
p.html(d);
var j=p.height();
var m=p.width();
var t="";
for(var c=0;
c<n;
++c)
{
   if(e[c]=="\n")
   {
      t+="<br />"
   }
   else
   {
      if(e[c]==SPACE)
      {
         t+="&nbsp"
      }
      else
      {
         t+=e[c]
      }

   }

}
a.html(t+"<span id='marker' style='position:absolute;
'>"+d+"</span>");
var g=$("#marker").position();
var f=g.top+j;
var o=f-q.scrollTop;
var l=g.left-m;
var r="";
if(n>0)
{
   r=e[n-1]
}
return Array(o,l,r)
}
function inarray(a,b)
{
   for(i=0;
   i<a.length;
   i++)
   {
      if(a[i]==b)
      {
         return true
      }

   }
   return false
}
function recommend()
{
   if($("#smart_check").is(":checked")&&(_active_language!="Sampa English"))
   {
      _activeWord=1;
      _autoComp=1;
      var f=2*($("#autoComplete").outerWidth(true)-$("#autoComplete").width());
      var e,d,a;
      var c=getCaretTopLeftPos();
      d=c[0]-20;
      e=c[1]+f;
      a=c[2];
      if((a==SPACE)||(a==""))
```

```javascript
      {
        $("#autoComplete").hide();
        _autoComp=0
      }
      else
      {
        if(a!="undefined")
        {
          var b=getContent(a.toLowerCase());
          if(b!="")
          {
            $("#autoComplete").html(b);
            $("#autoComplete").show();
            $("#autoComplete").css({position:"absolute",left:e+"px",top:d+"px"
          }
          )
        }
        else
        {
          $("#autoComplete").hide();
          _autoComp=0
        }

      }

    }

}

}
function getContent(c)
{
  var f;
  var d;
  var a=inComplexArray(c,x);
  var e="";
  if(a!=-1)
  {
    _totalWords=x[a].length;
    for(var b=0;
    b<_totalWords;
    ++b)
    {
      f=b+1;
      if(b==0)
      {
        d="selected"
      }
      else
      {
        d=""
      }
      if(c=="/"||c=="\\"||c=="_"||c=="^")
      {
        e+='<a class="choice silver tone '+d+'" style="padding:0 10px 0 25px;
        " id="'+f+'" href="#_">'+x[a][b]+"</a>"
      }
      else
      {
        e+='<a class="choice dfont '+d+'" id="'+f+'" href="#_">'+x[a][b]+"</a>"
      }

    }

  }
  return e
```

```
}
$("#backspace").live("click",function()
{
  var a=document.getElementById("preview");
  var c=getCaret(a);
  var b=$("#preview").val();
  val=b.substring(0,c-1)+b.substring(c,b.length);
  $("#preview").val("");
  $("#preview").insertAtCaret(val);
  $("#preview").trigger("change");
  setCaretToPos(a,c-1)
}
);
$(".choice").live("click",function()
{
  $("#"+_activeWord).removeClass("selected").addClass("deselected");
  var b=$(this).attr("id");
  _activeWord=b;
  $("#"+_activeWord).removeClass("deselected").addClass("selected");
  $("#backspace").click();
  var a=$(this).text();
  $("#preview").insertAtCaret(a);
  $("#autoComplete").hide();
  _autoComp=0
}
);
function resetChoices()
{
  for(var a=1;
  a<=_totalWords;
  ++a)
  {
    $("#"+a).removeClass("selected").addClass("deselected")
  }

}
$(".choice").live("hover",function()
{
  resetChoices();
  var b=$(this).attr("id");
  $("#"+b).removeClass("deselected").addClass("selected");
  var a=$(this).text()
}
);
$("#enter").live("click",function()
{
  if(!_autoComp)
  {
    a="\r";
    $("#preview").insertAtCaret(a);
    $("#preview").trigger("change")
  }
  else
  {
    $("#backspace").click();
    var a=$("#"+_activeWord).text();
    $("#preview").insertAtCaret(a);
    $("#autoComplete").hide();
    _autoComp=0
  }

}
);
function IE_keydown(b)
{
  if(_IE)
```

```
  {
    var a=("which" in b)?b.which:b.keyCode;
    process_keydown(a,b)
  }


}
$("#preview").keydown(function(a)
{
  if(!_IE)
  {
    key=(a.keyCode)?a.keyCode:a.which;
    process_keydown(key,a)
  }


}
);
function process_keydown(a,c)
{
  if(a==DN_KEY)
  {
    if(_autoComp)
    {
      i2preventDefault(c);
      $("#"+_activeWord).removeClass("selected").addClass("deselected");
      ++_activeWord;
      if(_activeWord>_totalWords)
      {
        _activeWord=1
      }
      $("#"+_activeWord).removeClass("deselected").addClass("selected")
    }


  }
  else
  {
    if(a==UP_KEY)
    {
      if(_autoComp)
      {
        i2preventDefault(c);
        $("#"+_activeWord).removeClass("selected").addClass("deselected");
        --_activeWord;
        if(_activeWord<1)
        {
          _activeWord=_totalWords
        }
        $("#"+_activeWord).removeClass("deselected").addClass("selected")
      }


    }
    else
    {
      if(a==SHIFT_KEY)
      {
        shift_btn=1
      }
      else
      {
        if(a==CTRL_KEY)
        {
          ctrl_btn=1
        }
        else
        {
          if(a==ALT_KEY)
          {
```

```
                alt_btn=1
            }

        }

    }
    $("."+a).addClass("shadow");
    $("."+a).addClass("cyan");
    if((a==SHIFT_KEY)||(a==CTRL_KEY)||(a==ALT_KEY)||(a==CAPS_KEY)||(a==TAB_KEY))
    {
      simulate_mouse_click=1;
      $("."+a).click();
      simulate_mouse_click=0
    }
    if(a==ENTER_KEY)
    {
      if(_autoComp)
      {
        i2preventDefault(c);
        simulate_mouse_click=1;
        $("."+a).click();
        simulate_mouse_click=0
      }

    }
    var b=inStringArray(a,alphanumeric_ids);
    if(((b>-1)&&(!ctrl_btn))||((b>-1)&&(ctrl_btn)&&(alt_btn))||((b>-1)&&(shift_btn
)&&(alt_btn))||((b>-1)&&(alt_btn))||((b>-1)&&(ctrl_btn)&&(alt_btn)&&(shift_btn)))
    {
      i2preventDefault(c);
      simulate_mouse_click=1;
      $("."+a).click();
      simulate_mouse_click=0
    }

  }

}

}
function get_active_language()
{
  var b=document.getElementById("ListBox_Languages");
  var a=b.selectedIndex;
  var c=b.options[a].value;
  return c
}
function IE_keyup(b)
{
  if(_IE)
  {
    var a=("which" in b)?b.which:b.keyCode;
    process_keyup(a,b)
  }

}
$("#preview").keyup(function(a)
{
  if(!_IE)
  {
    key=(a.keyCode)?a.keyCode:a.which;
    process_keyup(key,a)
  }

}
);
```

```javascript
function process_keyup(a,c)
{
  if(a==ESC_KEY)
  {
    $("#autoComplete").hide();
    _autoComp=0;
    return
  }
  if((a!=ENTER_KEY)&&(a!=SPACE_KEY)&&(a!=UP_KEY)&&(a!=DN_KEY))
  {
    recommend()
  }
  var b=inStringArray(a,alphanumeric_ids);
  if(b>-1)
  {
    $("."+a).removeClass("shadow");
    $("."+a).removeClass("cyan")
  }
  if(a==SHIFT_KEY)
  {
    shift_btn=0;
    _shift_left=0;
    _shift_right=0;
    load_keyboard(_active_language)
  }
  else
  {
    if(a==CTRL_KEY)
    {
      ctrl_btn=0;
      _ctrl_left=0;
      _ctrl_right=0;
      load_keyboard(_active_language)
    }
    else
    {
      if(a==ALT_KEY)
      {
        alt_btn=0;
        _alt_left=0;
        _alt_right=0;
        load_keyboard(_active_language)
      }

    }

  }
  if((a==TAB_KEY)||(a==ENTER_KEY)||(!_caps)||(a==BKSPACE_KEY))
  {
    $("#preview").focus();
    $("."+a).removeClass("shadow");
    $("."+a).removeClass("cyan")
  }

}
$("#tab").live("click",function()
{
  val="\t";
  $("#preview").insertAtCaret(val);
  $("#preview").trigger("change")
}
);
$("#caps").live("click",function()
{
  _caps=!_caps;
  load_keyboard(_active_language)
```

```javascript
}
);
$("#shift_left").live("click",function()
{
  if(simulate_mouse_click)
  {
    _shift_left=1
  }
  else
  {
    _shift_left=!_shift_left;
    if(!_shift_left)
    {
      ctrl_btn=0
    }

  }
  _shift_right=0;
  load_keyboard(_active_language)
}
);
$("#ctrl_left").live("click",function()
{
  if(simulate_mouse_click)
  {
    _ctrl_left=1
  }
  else
  {
    _ctrl_left=!_ctrl_left;
    if(!_ctrl_left)
    {
      ctrl_btn=0
    }

  }
  _ctrl_right=0;
  load_keyboard(_active_language)
}
);
$("#shift_right").live("click",function()
{
  if(simulate_mouse_click)
  {
    _shift_right=1
  }
  else
  {
    _shift_right=!_shift_right;
    if(!_shift_right)
    {
      ctrl_btn=0
    }

  }
  _shift_left=0;
  load_keyboard(_active_language)
}
);
$("#ctrl_right").live("click",function()
{
  if(simulate_mouse_click)
  {
    _ctrl_right=1
  }
  else
```

```
            {
              _ctrl_right=!_ctrl_right;
              if(!_ctrl_right)
              {
                ctrl_btn=0
              }

            }
            _ctrl_left=0;
            load_keyboard(_active_language)
        }
        );
        $("#alt_right").live("click",function()
        {
          if(simulate_mouse_click)
          {
            _alt_right=1
          }
          else
          {
            _alt_right=!_alt_right;
            if(!_alt_right)
            {
              alt_btn=0
            }

          }
          _alt_left=0;
          load_keyboard(_active_language)
        }
        );
        $("#alt_left").live("click",function()
        {
          if(simulate_mouse_click)
          {
            _alt_left=1
          }
          else
          {
            _alt_left=!_alt_left;
            if(!_alt_left)
            {
              alt_btn=0
            }

          }
          _alt_right=0;
          load_keyboard(_active_language)
        }
        );
        function i2sampa(b)
        {
          var a=inComplexArray(b,s);
          if(a!=-1)
          {
            b=s[a]
          }
          return b
        }
        $(".button.silver.key, .button.silver.keytone").live("click",function()
        {
          var a=$(this).val();
          if(a==SPACE)
          {
            if(_autoComp)
            {
```

```javascript
      }
      else
      {

      }
      $("#autoComplete").hide();
      _autoComp=0
    }
    if(_active_language=="Sampa English")
    {
      a=i2sampa(a)
    }
    $("#preview").insertAtCaret(a);
    _editor=$("#preview").val();
    $("#preview").trigger("change");
    if(!simulate_mouse_click)
    {
      recommend()
    }

  }
);
function inComplexArray(c,b)
{
  for(var a in b)
  {
    if(a==c)
    {
      return a
    }

  }
  return -1
}
function getKey(d)
{
  var c=["192","49","50","51","52","53","54","55","56","57","48","189","187","8","9"
,"81","87","69","82","84","89","85","73","79","80","219","221","220","20","65","83",
"68","70","71","72","74","75","76","186","222","13","16","90","88","67","86","66","7
8","77","188","190","191","1016","17","1018","32","18","1017"];
  for(var b=0;
  b<c.length;
  ++b)
  {
    var a=c[b];
    var e=$("."+a).val();
    if(escape(e)==d)
    {
      return a
    }

  }
  return -1
}
function inStringArray(d,c)
{
  for(var a=0;
  a<c.length;
  ++a)
  {
    var b=new RegExp(c[a]);
    if(b.test(d))
    {
      return a
    }

  }
```

```javascript
    }
    return -1
}
$("#font_plus").live("click",function()
{
    if(_font_size<=60)
    {
        _font_size+=2;
        $("#preview").css({"font-size":_font_size
    }
    )
}


}
);
$("#font_minus").live("click",function()
{
    if(_font_size>=13)
    {
        _font_size-=2;
        $("#preview").css({"font-size":_font_size
    }
    )
}


}
);
$("#clear_btn").live("click",function()
{
    _editor="";
    $("#preview").val("");
    updateCharCount()
}
);
function getCaret(c)
{
    if(c.selectionStart)
    {
        return c.selectionStart
    }
    else
    {
        if(document.selection)
        {
            c.focus();
            var d=document.selection.createRange();
            if(d==null)
            {
                return 0
            }
            var b=c.createTextRange(),e=b.duplicate();
            b.moveToBookmark(d.getBookmark());
            e.setEndPoint("EndToStart",b);
            var f=0;
            for(var a=0;
            a<e.text.length;
            a++)
            {
                if(e.text.substr(a,2)=="\r\n")
                {
                    f+=2;
                    a++
                }

            }
```

```javascript
      return e.text.length+f
    }

  }
  return 0
}
function setSelectionRange(b,c,d)
{
  if(b.setSelectionRange)
  {
    b.focus();
    b.setSelectionRange(c,d)
  }
  else
  {
    if(b.createTextRange)
    {
      var a=b.createTextRange();
      a.collapse(true);
      a.moveEnd("character",d);
      a.moveStart("character",c);
      a.select()
    }

  }

}
function setCaretToPos(a,b)
{
  setSelectionRange(a,b,b)
}
function updateListBox(b,a)
{
  $("#"+b+" option:selected").removeAttr("selected");
  $("#"+b+" option[value="+a+"]").attr("selected","selected")
}
function i2preventDefault(a)
{
  if(a.preventDefault)
  {
    a.preventDefault()
  }
  else
  {
    a.returnValue=false
  }

}
;
```