

Corrigé examen

Exercise01 :

```
document.addEventListener("load",set__listener());

function set__listener(){                                0.5

    document.getElementById("sender_button").addEventListener("click",(event)=>{
        event.preventDefault();
        check__validity__and__send();                    0.5
    });
}

function check__validity__and__send(){
    if(check__validity())                                0.5
        document.querySelector('form').submit();
}

function make__data__entry(evt){
    evt.target.style.borderColor = '';                    0.5
    evt.target.style.borderWidth = '';
    evt.target.nextElementSibling.innerHTML = "";        0.5
}

function show__warn__for__empty(inpt__elm){
    inpt__elm.nextElementSibling.innerHTML = " Shouldn't be empty ";
    inpt__elm.nextElementSibling.style.color = "red";
    inpt__elm.style.borderWidth = '3px';
    inpt__elm.style.borderColor = 'red';                  0.5
}

function show__warn__for__conformity(inpt__elm){
    inpt__elm.nextElementSibling.innerHTML = " no valid input ";
    inpt__elm.nextElementSibling.style.color = "red";
    inpt__elm.style.borderWidth = '3px';
    inpt__elm.style.borderColor = 'red';                  0.5
}

function check__mail__validity(inpt_id){
    let Reg__exprss = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;        0.5
    return Reg__exprss.test(document.getElementById(inpt_id).value);
}

function check__passwd__validity(inpt_id){
    let Reg__exprss = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)[\w#&_!]{9,}$/; 0.5
    return Reg__exprss.test(document.getElementById(inpt_id).value);
}
```

```

function check__validity(){
    let valid_inputs = true;
    all__inpts = document.querySelectorAll('input[type="text"]');
    all__inpts.forEach((inpt)=>{
        if(inpt.value=='')
        {
            valid_inputs = false;
            show__warn__for__empty(inpt);
        }
        else{
            switch(inpt.id){
                case 'mail__id' :
                    if(!check__mail__validity('mail__id'))
                    {
                        valid_inputs = false;
                        show__warn__for__conformity(inpt);
                    }
                    break;
                case 'psswrđ_id' :
                    if(!check__passwrđ__validity('psswrđ_id'))
                    {
                        valid_inputs = false;
                        show__warn__for__conformity(inpt);
                    }
                    break;
                case 'code_id' :
                    if(!check__code__validity('code_id'))
                    {
                        valid_inputs = false;
                        show__warn__for__conformity(inpt);
                    }
                    break;
            }
        }
    });
    return valid_inputs;
}

function check__code__validity(inpt_id){
    let Reg__exprss;
    if(document.getElementById('selct').value=='particl')
        Reg__exprss = /^PRT\d{7}$/;
    else if(document.getElementById('selct').value=='entrp')
        Reg__exprss = /^ENT\d{5}$/;
    return Reg__exprss.test(document.getElementById(inpt_id).value);
}

```

Exercise02 :

```
document.querySelector("button").addEventListener("click", show_me_on__openstreet);
const geo__loc__status = document.querySelector("p");
const openstreet_Link = document.querySelector("a");

function success(position) {
    const latitude = position.coords.latitude;
    const longitude = position.coords.longitude;

    geo__loc__status.textContent = "located..";
    openstreet_Link.href =
    'https://www.openstreetmap.org/#map=18/${latitude}/${longitude}';
    openstreet_Link.textContent = `Latitude:${latitude}°,Longitude: ${longitude} °`;
}

function error(err__positioning) {
    var concern ;
    concern = err__positioning.message + " error code :" + err__positioning.code;
    geo__loc__status.textContent = "Unable to locate due to :"+ concern ;
}

function show_me_on__openstreet(){
    if (!navigator.geolocation) {
        geo__loc__status.textContent = "Geolocation is not supported by your browser";
    } else {
        geo__loc__status.textContent = "Locating...";
        navigator.geolocation.getCurrentPosition(success, error);
    }
}
```

Exercise03 :

```
<script>
    document.addEventListener('load',start__temporisation());

    let cnvs = document.getElementById('draw_region');
    let center__absiss = cnvs.width/2;
    let center__ordint = cnvs.height/2;
    let time__progress = 0;
    let duration = 6000;

    timer_label = document.querySelector('label');

    let slot = 2*Math.PI/30;

    const slot__duration = duration/30;
    let angle = - Math.PI/2 + slot;

    cntxt = cnvs.getContext('2d');
    cntxt.lineWidth = 3;
    cntxt.strokeStyle = "red";

    function start__temporisation(){
        temp_id = setInterval(draw_it,200); /*slot__duration);*/
    }
```

```

function draw_it(){
  if(angle<=3*Math.PI/2)
  {
    cntxt.beginPath();
    cntxt.arc(center__absiss,center__ordint,70,-Math.PI/2,angle);
    cntxt.stroke();
    angle += slot;
    time__progress += slot__duration;
    secnds = Math.floor(time__progress/1000);
    tenths = Math.floor((time__progress%1000)/10);
    timer_label.innerHTML = "Timer : " + secnds + ":" + tenths;
  }
  else clearInterval(temp_id);
}

```

</script>