

EPS Assignment on Web development

Exercise1: html/css practices (6pts)

- 1) Write the css code to obtain a rounded image (avatar) for your blogs users, with a grey border of 2px (1pt)

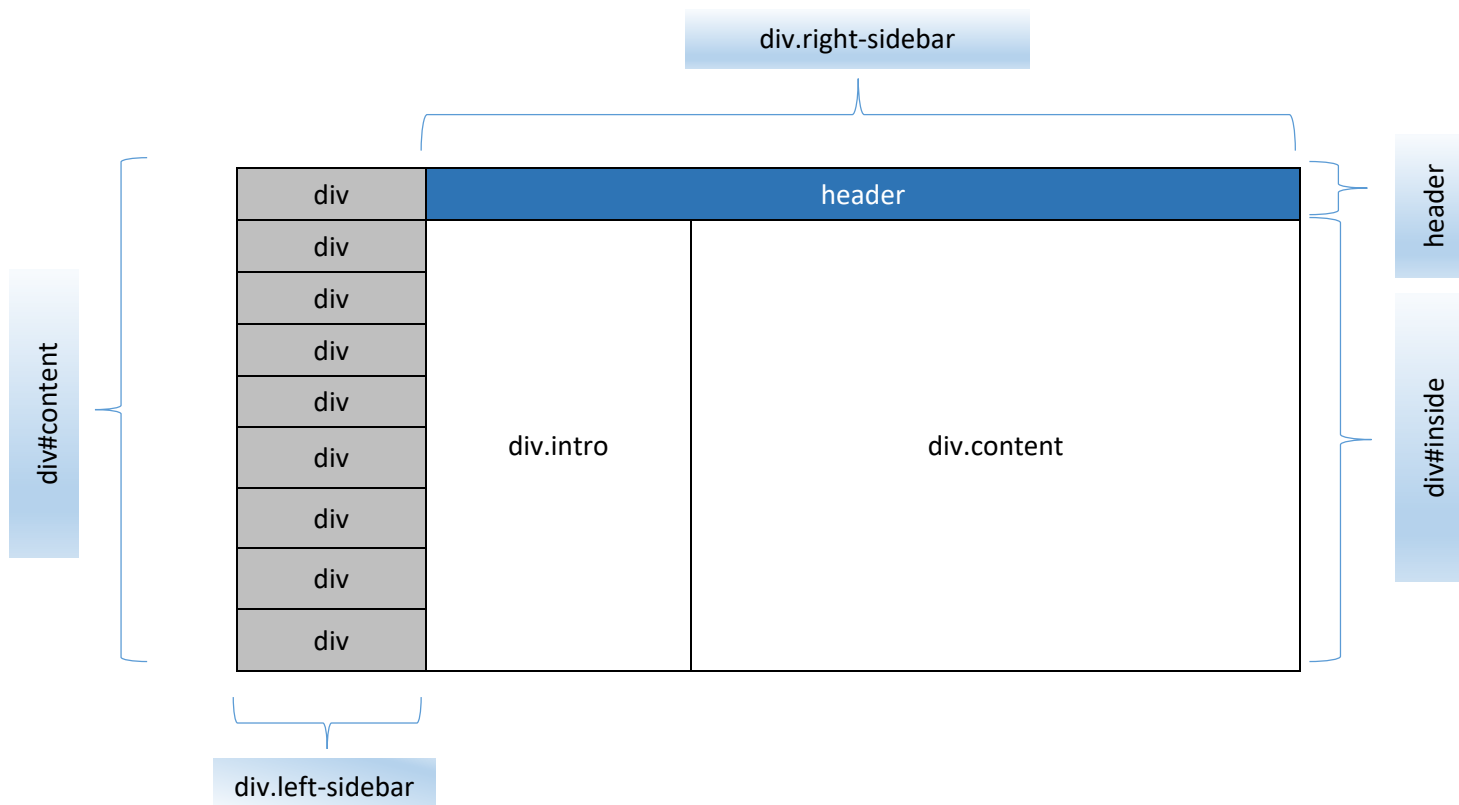
/*css code here*/

```
.avatar {  
  border-radius:50% ;  
  border : 2px solid grey ;  
}
```

```

```

- 2) Write html skeleton (only content of the body) and css code to obtain the following html result (5pts).



```
/*css code here with pen */
```

```
div {  
  Border:1px solid #555;  
}  
#content , #inside {  
  display :flex ;  
  height :470px ;  
  width :100% ;  
}  
  
#inside {  
  height: calc(100vh – 50px)  
}  
  
.left-sidebar {  
  display :block ;  
  width :20% ;  
  max-width :150px ;  
  height :100vh ;  
  position :fixed ;  
  top :0 ;  
  left:0;  
}  
  
.left-sidebar div {  
  height :52.2px ;  
  background :grey ;  
}  
  
.right-sidebar {  
  display :block ;  
  width :80% ;  
}  
  
.right-sidebar header {  
  height :50px;  
  background:lightblue;  
}  
  
.right-sidebar .intro {  
  width : 30% ;  
  height : 100% ;  
}  
  
.right-sidebar #content {  
  width : 70% ;
```

```
height : 100% ;  
}
```

<!-- complete Html code below with pen -->

```
<div id="content">  
  <div class="left-sidebar">  
    <div>div</div>  
    <div>div</div>  
    <div>div</div>  
    <div>div</div>  
    <div>div</div>  
    <div>div</div>  
    <div>div</div>  
    <div>div</div>  
  </div>  
  <div class="right-sidebar">  
    <header>  
      header  
    </header>  
    <div id="inside">  
      <div class="intro">  
        </div>  
        <div class="content">  
          </div>  
        </div>  
      </div>  
    </div>  
  </div>  
</div>
```

Exercise2: QA (4pts)

- 1) There is an html attribute used inside form label called "for"; What is it use and how to link it to an input?(1pts)

The for attribute of label let us focus on an input just by clicking on the label. To link the for attribute to the input I have to set the value of the for attribute same to the value of the input id.

- 2) Give three type of form's input and draw each of them. (1pt)

- a- Type text
- b- Type radio
- c- Type file

- 3) What is the difference between **get** method and **post** method when submitting a form? (1pt)

The difference between the two methods is that get appends form datas to the action url while post method send them in the request body.

- 4) Give three required form's attributes and their value when submitting form with one or many input files(1pt)

`<form method="post" enctype="multipart/form-data" action="http://urlloftherequest">`

Exercise4: JavaScript 10pts

- 1) Declare a Number, a Boolean, a String and undefined variables in JavaScript (1pt).

- a- `var a = 4.5;`
- b- `let b = false;`
- c- `const name = "John Doe";`
- d- `let d;`

- 2) Give four comparisons operators symbols and names in JavaScript with examples.(1pt)

- a- `>` means greater than example: `3 > 2`
- b- `==` means the two compared value are the same example `0 == false`
- c- `===` means we have the strict equality of value and type example `0 === (3-2)`

d- `!==` means the two compared value are values and types different
example `0!==false` is true but `0!=false` is not true

`0 + 5 = 5` and `false + 5 = 5`

3) Choose the right answer (1pt/good answer)

`0 == null` =?

- a- True
- b- False (good answer)

`0 === false` =?

- a- True
- b- False(good answer)

`3/0` =?

- a- NaN (good answer)
- b- Infinity(good answer)
- c- 0
- d- 3

`3+'5'` =?

- a- "35" (good answer)
- b- 8
- c- 35

`5-'3'` =?

- a- 2 (good answer)
- b- '5-3'
- c- NaN

4) I want to run the following code (1,5pts for each good answer)

```
let a=5;
let a=7;
console.log('every things working fine')
```

what will be the output in my console? explain

- a- every things working fine
- b- *Uncaught SyntaxError: Identifier 'a' has already been declared*(good answer)

```
const a='MYGOAL';  
a=7;  
console.log('every things working fine')
```

what will be the output in my console?

- a- every things working fine
- b- *Uncaught SyntaxError: Identifier 'a' has already been declared(good answer)*
