Personal Info

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Preferred Language: English, Chinese
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Assessment 1

Details:
-Build a single-page web app using HTML/JAVASCRIPT/CSS/JQUERY where the user can interact with a chatbot named Jamie
- The webpage must be mobile responsive.

Submission:
- The webpage must be mobile responsive.
- Must submit your code into either (Github/ Gitlab/ Send through whatsapp).
- Provide a link to your repo

Description of Jamie:
Jamie is a chatbot, it will have limited type of replies, the following is the reply details:
- Jamie says "Yes" when the user asks a question
- Jamie says "Please remain calm." if you yell at him.
- Jamie says "Please give me some time to resolve the issue." if you yell a question at him.
- Jamie says "Can I help you?" if you mention his name without any other messages.
- Jamie says "Sorry, I don't understand" to anything else.

Description of the webpage:
- Display current date and time on the bottom of the message bubble.
- Display names above message bubble.
- Display placeholder in input box.
- You are allowed to use bootstrap or any library related.
- Don't use any framework like Vue or react, do this in JS vanilla or JQuery.

Element:
https://drive.google.com/drive/folders/1ykv463mCHiXGo1JxJj28u1pquwWJT9F2?usp=drive_link

Design:
https://drive.google.com/file/d/1_0TXcaNxBdxt8KdJoocg98XArT96Gvh6/view?usp=sharing

Assessment 2

Question 1
What is the value that will be returned in the console log below? *this is javascript code

```
function cal(a,b) {
        a+b
}

console.log(cal(1,2))
```

Your Answer:

Undefined, no return

Question 2
Write a js/jquery function to convert variable x into "Goal" object structure.

```
let x = [
        {
                id: 1,
                type: "a"
        },
        {
                id: 2,
                type: "b"
        },
        {
                id: 3,
                type: "b"
        },
        {
                id: 4,
```

```
                type: "c"
        },
        {
                id: 5,
                type: "a"
        },
]


Goal: {
        a : [{id: 1,type:a},{id: 5,type:a}],
        b : [{id: 2,type:b},{id: 3,type:b}],
        c : [{id: 4,type:c}]
}
```

Your Answer:

```
let grouped = x.reduce((acc, obj) => {
  // create type if null/undefined
  if (!acc[obj.type]) {
    acc[obj.type] = [];
  }
  acc[obj.type].push(obj);
  return acc;
}, {});
```


Question 3
Explain the difference between flex and grid display from CSS. (Explain with your own words)

Your Answer:

Grid is a 2D layout system with row and column together. It is useful when creating complex layout.

Flex is 1D layout system. You will need to create row and column separately. It is good to build for different size display and flexible.