

Q1. Write a function to execute two tasks one after the other. Task B will execute Task A after 10 min. using a promise?

Q2. What is output of following code:

```
const promise = new Promise(res => res(2));
promise.then(v => {
    console.log(v);
    return v * 2;
})
    .then(v => {
        console.log(v);
        return v * 2;
    })
    .finally(v => {
        console.log(v);
        return v * 2;
    })
    .then(v => {
        console.log(v);
    });
```

Q3. What is the output of following:

```
var length = 10;
function fn() {
    console.log(this.length);
}

var obj = {
    length: 5,
    method: function(fn) {
        fn();
        arguments[0]();
    }
};

obj.method(fn, 1);
```

Q4. What will be the value of line1 and line2 ?

```
function foo() {  
  let a = b = 0;  
  a++;  
  return a;  
}  
foo();  
typeof a; // line1 => ???  
typeof b; // line2 => ???
```

Q5. Creating an application to manage the interaction between 3 controllers and CRUD over the same.

1. There will be 3 controllers, Users, Business, and Products.

```
User { name, email, bio, profilePic }  
Business { name, email, registrationNo }  
Products { name, mrp, description, image[2] }
```

So the purpose is to see how good you are while managing multiple collections.
You have to create the following APIs

1. Create User
2. User can have multiple businesses
3. User can post product as an individual or through his business

C - create
R - Read
U - Update
D - Delete

Functionalities for different collection

1. User - C, R
2. Business - C, R
3. Products - C, R, U, D

All the fields mentioned above shall be there, apart from this do add all the fields you feel are important for referencing 3 collections

Indexing is required for all three collections. And make sure proper session is managed for the logged-in user.

Once done with the assignment -

1. Push code on Github

2. If possible deploy code over Heroku or any free medium
3. Postman documentation for all the APIs
4. Properly documented code.

Please share the Github link