**Assignment 4**

**Question 1 :-**

**Step 1 :- Dependencies downloaded :-**

A screenshot of a computer

Description automatically generated

**Project Structure :-**

A screenshot of a computer

Description automatically generated

**Step 2 :-**

**Code added from zip file :-**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer screen

Description automatically generated

**Step 3 :-**

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Step 4 :-**

1. For all steps , initially , I was getting erro , which was of promise callback , to solve that , I have used async await .

For step A , we are calling post request , and in that we need to mention name , salary and age of user in postman dashboard and after sending request , we get response in postman and our console and moreover our data also added in collection Employees in Mongodb compass .

Step B :- After passing post request , we need to see response in browser and for that , we need to call GET request .

And after calling GET request ,I got all response which I added using POST request .

Step C :- There is also one more GET request which is used to find record using employeed id and we can get employeed id in our MongoDB compass saved record . And if we specify employeeid after our url then we can get particular record which is assigned to that specified employee id .

1. Role of model is that it will save particular schema to our collection Employee .

And Employee.findByIdAndUpdate(id, data, function(err, employee) usage is to find id and update that id’s record .

C)

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

D)

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Question 2 :-**

**Step 1 :-**

A screenshot of a computer

Description automatically generated

**Step 2 :-**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A computer screen shot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Step 3 After adding CSS in form of creativity :-**

A screenshot of a computer

Description automatically generated

**Question 3 :-**

**Step 1 :-**

A screenshot of a computer screen

Description automatically generated

**Step 2 :-**

I will encounter error if I remover AWAIT from task 1 because It will try to access database before even connecting the database , so using async await approach is useful to connect database as it will not jump to another step directly before await resolves .

**Step 3 :-**

After removing all async-await from code,

Output will be error because behaviour for running code would be different because in Task1 , after removing async await it will not wait for connection to establish , instead , it will connect using mongoclient.connect() . Talking about task2 which is setTimeout() , in that also , code inside timeout will run after delay of 5 seconds no matter Task 1 is executed or not .

A screenshot of a computer

Description automatically generated

**Step 4 :- Using Promise**

A screenshot of a computer screen

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated