

S.Y.B.B.A. (C.A.) Sem-IV (2019 Pattern) **Mar 2021**

406: NODE JS

Q. 1)

a) Create a Node.js file that will convert the output "Hello World!" into upper-case letters.

b) Create a Node.js file that demonstrate create database student DB and student table (Rno, Sname, Percentage) in MySQL.

Q. 1)

a) Create a Node.js Application that uses user defined Module to return the factorial of given number.

b) Create a Node.js Application that contain the Employee Registration details and write a JavaScript to validate DOB, Joining Date, and Salary.

Q. 1)

a) Create a Node.js Application that uses user defined module circle.js which exports the functions area () and circumference () and display the details on console.

b) Create a Node. Js Application for validating student registration form.

OR Q. 1) a) Create a Node.js Application that accepts first name, last name and date of birth of a Person and define a Module that concatenate firstName and lastName and also calculate the age of the Person.

b) Using Node.js create a S Y BBA(CA) Teachers Profile System.

Q. 1) a) Create a Node.js Application that performs following operations on

Buffer data.

a. Concat b. Compare c. Copy

b) Create a Node.js file that Select all records from the "customers" table, and delete the specified record.

Q. 1) a) Create a Node.js file that opens the requested file and returns the content to the client. If anything goes wrong, throw a 404 error.

b) Create a Node.js file that Insert Multiple Records in "student" table, and display the result object on console.

Q. 1) a) Using Node.js create a web page to read two file names from user and append contents of first file into second file.

b) Create a Node.js file that Select all records from the "customers" table, and display the result object on console.

Q. 1) a) Using Node.js create a web page to read two file names from user and combine in third file with all content in Upper case.

b) Create an Node.js Application that contain the Student Registration details and validate Student first and last name should not contains any special symbols / digits and also age should be between 6 to 25.

Q. 1) a) Create a Node.js file that writes an HTML form, with an upload field

b) Using Node.js create a Recipe Book.

Q. 1) a) Create a Node.js Application to download jpg image from the Server.

b) Create a Node.js Application that display create Dept-Emp with 1:M relationship and display the min, max, avg salary of Employee for department name.

Q.2) a) Create a Simple Web Server using Node.js that shows the college information.

b) Using Node.js create a Computer Science department portal.

Q. 1) a) Create Node.js Application that binds two listeners to single events.

b) Using Node.js create a User Login System.

Q. 1)

a) Create Node.js application using user defined Rectangle module to find area of rectangle and display the details on console.

b) Create a Node.js Application that Update Marks of given student Rno in "student" table and display the result.

OR Q. 1) a) Create a Node.js Application to search a particular word in a file and display result on console.

b) Using Node.js create an Electricity bill calculation System.

OR Q. 1) a) Create a Node.js Application to count occurrence of given word in a file and display the count on

console.

b) Using Node.js create a eLearning System.

Q. 1) a) Create a Node.js file named main.js for event-driven application. There should be a main loop that

listens for events, and then triggers a callback function when one of those events is detected.

b) Create a Node.js file that Select all records from the "Employee" table, and Update the salary of the given Eno.

Q. 1) a) Write Node.js application that transfer a file as an attachment on web and enables browser to prompt the user to download file using express js.

b) Using Node.js display the Employee details order by salary in Table format.

Q. 1) a) Create Node.js application to bind custom event "receive_data" with data_receive_handler function'.

b. Using Node.js create Application that contains Voters details and check proper validation for (name, age, and nationality), as Name should be in upper case letters only, Age should not be less than 18 yrs and Nationality should be Indian and store the data in database.

Q. 1)

a) Write Node.js application that shows some information when your node.js application gets started, warning when it tries to open an existing file and error message while that specified file is not found.

b) Using Node.js clone the "Hacker News" website.

Q. 1) a) Write Node.js application containing an event handler to open and read the contents of a file.

b) Using Node.js create an application that shows S Y BBA(CA) course structure.

Q. 1) a) Write Node.js application to create an EventEmitter which will emit an event that contains information about the application's uptime, every second.

b) Using Node.js create an application that shows the mini statement of particular account. (customer table)

Q. 1) a) Create a Node.js Application to count number of lines in a file and display the count on console.

b) Using Node.js create an application to perform the following operations on customer account(minimum balance should be maintained 1000 and use customer table)
1. Withdraw the amount 2. Balance enquiry

Q. 1) a) Create a Node.js Application to search a particular word in a file and replace all occurrences of that word with another word and bold all.

b) Using Node.js create an application that generates the "eTicket" of railway.

Q. 1) a) Create a Node.js Application that raise and bind an event by returning EventEmitter object from a function.

Marks 15]

b) Using Node.js create a Historical place portal.

[Marks 25)

Q. 1) a) Create a Node.js Application that wait until the promise returns the result using wait function.

b) Using Node.js create an application that shows the events of the day.

Q. 1) a) Create a Node.js Application that raise and bind a event using extending the Event Emitter class

b) Using Node.js create a department store portal.

OR Q. 1) a) Create a Node.js Application create a directory and the contents of the directory.

b) Create an Node.js Application that contain the Student Registration details and write a JavaScript to validate DOB, Mobile Number, and email address.

Q. 1) a) Create a Node.js Application to check whether given name is file of directory, if it file, truncate the content after 10 bytes.

b) Using Node.js create a User Login System with forgot password option which can set new password.

Q. 1) a) Create Node.js application using user defined Rectangle module to find area of rectangle and display the details on console.

b) Using Node.js create a matrimonial portal.

Q. 1) a) Create a Node.js Application that uses user defined module `circle.js` which exports the functions `area ()` and `circumference ()` and display the details on console.

b) Create a Node.js file that demonstrate create database and Hospital table (hReg, hName, address, contact) in MySQL.