

# Vidyavardhini's College of Engineering and Technology

# Department of Artificial Intelligence & Data Science

AY: 2025-26						
Class:	TE	Semester:	V			
Course Code:	080502	Course Name:	WC			

Yash Kasare
27
05
Node je apply using Express
06/10/25
06/10/25

### **Evaluation**

Performance Indicator	Max. Marks	Marks Obtained	
renormance material	5	5	
Completeness	2	<u> </u>	
Demonstrated Knowledge	3	2	
	2	2	
Legibility	10	9	
Total		1	

	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Performance Indicator	Exceed Expectations (22)	2.4	1-2
Completeness	5	3-4	
Demonstrated	3	2	·
Knowledge Legibility Legibility	2	1	0

## Checked by

Name of Faculty

: Ms. Kshitija Ciharat

Signature

Rhauat

Date

6/10/3

```
React Frontend (App. js):
import React, {use Effect, use State} from "react";
function App () }
const [items, set | tems] = use State ([]);
use Effect (() > f
  fetch ("http://localhost:5000/items")
       . then (cres) → resison())
       . then ((data) => SetHems (data));
 4 [1]
return (
zdiv style = ff padding: "20px", fontfamily: "Arial" }} >
  chi> HemList </hi>
  4u1>
 } items.map ((item) ⇒ }
   <!i Rey = { item.id } > { item.name } 
 / /ul>
 4div>
  expert default app ;
 Express Backend (server is).
 import express from "express";
 import cors from "cors" >
 const opp = express();
  appluse(cors ());
```

```
const items = } [
           { id:1, name = "Apple"},

fid:2, name = "Banana"},

fid:3, name = "Orange'}
          app.get ('/items', (req, res) => {
              res. json (items);
          app.listen (5000, L) >> {
           console. log (" server running on http://localhost:5000"),
         OUTPUT:
          Item List.
          · Apple
          · Banana
          · Orange
 Q.2.
         Express server (server.js)
          import express from "express";
          import wars from "cors";
          import itemRouter from "./routes/items:js",
         constapp = express ();
          app. use (cors ());
          app. use (express. json) );
          app. use ("/api/items", itemsRouter);
app. get ("/", (req, res) => {
            res. send (" Welcome to the Express Router Example! ");
          د ( ک
Sundaram
                                   FOR EDUCATIONAL USE
```

```
app. listen (5000, () ⇒ {
console. log (" server running on http://localhost: 5000");
( ) j
Router Module (routes/items.js):
import express from "express";
const router = express. Router ();
 const items =
 fid:1, name: "Laptop"?
 fid:2, name: "Phone"}
  {id:3, name: "Tablet"}
 routen.get ("/", (req, res) ⇒ {
   res.json (items);
Houten get ("/. id", (req, res) > }
  const item = items. find (i=> 1.id === parce (raq. params.id));
  if (! item) return res. status (404). json (fmessage: "Item
   not found " })
   res. jeon (item);
  export default router;
  OUTPUT :
  Welcome to the Express Router Example!
```

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```
JSON response:
           {"id": 1, "name": " Laptop"}
           { id": 2, "name": "phone"}
          fid": 3, "name": "Tablet"}
           f "id": 2, "name": "Phone" }
         Express App (server.js):
 Q.3.
         import express from "express",
         import cookiefarger from "cookie-parser";
         const app = express();
         app. use (express. json());
app. use (cookie Parser());
         app. port ("/login", (req, res) => {
          const fusername & = req. body ;
          if (!username) {
            return resistatus (400) send ("username required");
         res. cookie ("username", username, f
           nttponly True,
         max Age: 60 * 1000
         res. send ("Welcome, & {username}! cookie has been set!)
         });
         app.get ("/profile", (req, reg) => f
           const username - req. cookies username;
           if (!username) {
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```

	res. send ("Hello & {username}, welcome back!');	
	(P);	
1	app. listen (5000, () $\Rightarrow$ { console. log ("server running on http://localhost:5000").	ź
	console. 109 ( server raining on my	
	3),	
	Output:	
	Login Request:  Response:  Welcome, Yash! Cookie	
	f "username": "Yash"   Welcome, Yash! Cookie	
	has been set.	
	If cookie exists: If wokie expired:	
	Hello Yash, welcome back! No active session.	
	Please Login.	
.4.	import express from "express";	
. 7.	const app = express ();	
	const products = [	
	Sid: I. name / laptop", price: 55 000}	
	Pid: 2. name: "Smartphone", price: 30000}	
	fid: 3, name: "Headphone", price: 2000}	
	Ti	
	app.get ("/products", (req, res) => {	
	res.json (products);	
	(a);	
	and listen (5000, () $\Rightarrow$ $\frac{1}{3}$	_
	console. 10g ("server running on http://localhost:5000")	) ;
	j);	
	Example (Request):	
	GET http://localhost:5000/products	
Sui	FOR EDUCATIONAL USE	

# Example (Response)! {"id": 1, "name": "Laptop", "price": 55000} {"id": 2, "name": "Smartphone", "price": 30060} {"id": 3, "name": "Headphone", "price": 2000}