# INTERVIEW QUESTIONS

1.What is REST?

Answer: REST is Representational State Transfer. It emphasises stateless interactions and a uniform interface for scalable web APIs.

2.What are HTTP methods and their use?

Answer: The Methods are:

GET = read, POST = create, PUT = replace/upsert, PATCH = partial update, DELETE = remove; using the right verb makes APIs predictable and self-descriptive.

3.How do you handle routes in Express?  
Answer: we handle routes with app.METHOD(path,handler) and structure larger apps using express.Router().

4.What is middleware in Express?  
Answer: Middleware are functions with (req, res, next) that can run code, modify req/res, end the cycle, or pass control, including app-level, router-level, error-handling, and built-in middleware.

5.How do you parse JSON in Express?  
Answer: We use the built-in parser app.use(express.json()) to populate req.body for JSON requests.

6.What status codes do you use for CRUD?

Answer: Typical choices: 200 OK for successful reads/updates, 201 Created (with Location) for creates, 204 No Content for deletes, and 400/404 for bad input/not found; use 202 Accepted for async work.

7.How would you handle errors in Express?   
Answer: We need to add a centralized error middleware function (err, req, res, next) and call next(err) from routes/async to funnel failures into consistent logging and responses. Express has a default handler and improved async propagation in recent versions.

8.What is CORS?  
Answer: CORS is a browser security mechanism that controls cross-origin requests using headers and, for non-simple requests, a preflight OPTIONS check to verify allowed origins, methods, and headers.

9.Explain request and response objects in Express.

Answer: Request represents the incoming HTTP request (params, query, headers, body) and Response is used to send output (res.status(...), res.json(...), res.send(...)) to complete the response.

10.How do you test API endpoints?  
Answer: We use Postman to create requests, choose the HTTP method, set URL/body/headers, click Send, and verify status/JSON; save requests in collections and add tests for repeatable checks.