What is HTTP headres ?

Meta data -> key value sent along with request & response

->caching, authentication, mange state

x-prefix - > 2012 (X- deprecated)

* Request Headers ---🡪 From client
* Response Headers ---🡪 from Server
* Representation Headers🡪 encoding /compression
* Payload headers 🡪 data

**✅ Common Status Codes**

**🔹 1xx – Informational**

* **100 Continue** → Request is OK, continue sending.
* **101 Switching Protocols** → Used for WebSockets, protocol upgrade.

**🔹 2xx – Success**

* **200 OK** → Standard success response.
* **201 Created** → Resource successfully created (common after POST).
* **202 Accepted** → Request accepted, processing later.
* **204 No Content** → Success but no response body.

**🔹 3xx – Redirection**

* **301 Moved Permanently** → Resource moved to a new URL.
* **302 Found** → Temporary redirect.
* **304 Not Modified** → Cached version is still valid, no need to download again.

**🔹 4xx – Client Errors**

* **400 Bad Request** → Request invalid or malformed.
* **401 Unauthorized** → Authentication required or failed.
* **403 Forbidden** → Authenticated but not allowed.
* **404 Not Found** → Resource doesn’t exist.
* **405 Method Not Allowed** → Wrong HTTP method used (e.g., POST on a GET-only endpoint).
* **409 Conflict** → Request conflicts with server state (e.g., duplicate record).
* **429 Too Many Requests** → Rate limit exceeded.

**🔹 5xx – Server Errors**

* **500 Internal Server Error** → Generic server crash.
* **501 Not Implemented** → Server doesn’t support the request method.
* **502 Bad Gateway** → Server acting as a gateway got an invalid response.
* **503 Service Unavailable** → Server overloaded or down for maintenance.
* **504 Gateway Timeout** → Gateway didn’t get a response in time.

This document is main important because whole work there   
make controller and routes