1. jalankan server :

Node index.js

2. pastikan muncul 🡪 Server berjalan di http://localhost:3000

3. sebelum mengirim request, silahkan buat signature :

Simpan payload JSON ke file payload.json, missal :

{

"url\_gambar": "https://example.com/photo.jpg",

"persentase\_kompresi": 60

}

4. jalankan :

node sign.js

5. uji endpoint dengan curl :

curl -X POST http://localhost:3000/convert-webp \

-H "Content-Type: application/json" \

-H "Authorization: HMACSHA512 <hash-dari-sign.js>" \

--data @payload.json

6. jika anda sukses melakukan pengujian, maka seharusnya akan menerima return output hasil json :

{

"url\_webp": "http://localhost:3000/output/img-1669123456789.webp",

"ukuran\_webp": 34567,

"status": "success",

"message": "Konversi selesai"

}

7. Kasus Uji Error :

* Tanpa header Authorization → HTTP 401, message “Missing or invalid auth header”.
* Payload tidak valid
  + url\_gambar kosong → HTTP 400, message “url\_gambar wajib diisi…”.
  + persentase\_kompresi di luar 1–100 → HTTP 400, message “persentase\_kompresi antara 1–100”.
* **Gagal unduh gambar** (404/timeout) → HTTP 500, message “Gagal ambil gambar (status: …)” atau “timeout”.