

# Instituto Politécnico Nacional

“Unidad Profesional Interdisciplinaria en Ingeniería y  
Tecnologías Avanzadas”

Aplicaciones Distribuidos

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Grupo: 4TM3

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## Calcular Division

POST http://localhost:3000/calcular Send

Params Authorization Headers (8) **Body** Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL ☒ JSON Schema Beautify

```
1 {  
2   "a": 15,  
3   "b": 3,  
4   "operacion": "division"  
5 }
```

**Body** Cookies Headers (8) Test Results (1/1) 200 OK 30 ms 281 B Save Response

{} JSON Preview Visualize

```
1 {  
2   "resultado": 5  
3 }
```

## Calcular Suma

POST http://localhost:3000/calcular Send

Params Authorization Headers (8) **Body** Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL ☒ JSON Schema Beautify

```
1 {  
2   "a": 15,  
3   "b": 3,  
4   "operacion": "suma"  
5 }
```

**Body** Cookies Headers (8) Test Results (1/1) 200 OK 5 ms 283 B Save Response

{} JSON Preview Visualize

```
1 {  
2   "resultado": 18  
3 }
```

## Mensaje Saludo:

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/saludo`. The request body is a JSON object: `{ "nombre": "Escamilla" }`. The response is a 200 OK status with a 5 ms response time and 296 B of data. The response body is a JSON object: `{ "mensaje": "Hola, Escamilla" }`.

```
POST http://localhost:3000/saludo
```

Params Authorization Headers (8) Body Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

Schema Beautify

```
1 {
2   "nombre": "Escamilla"
3 }
```

Body Cookies Headers (8) Test Results (1/1)

200 OK • 5 ms • 296 B

Save Response

☒ JSON Preview Visualize

```
1 {
2   "mensaje": "Hola, Escamilla"
3 }
```

## Crear Tarea:

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/tareas`. The request body is a JSON object: `{ "id": 1, "titulo": "Estudiar para el examen", "completada": false }`. The response is a 201 Created status with a 5 ms response time and 334 B of data. The response body is a JSON object: `{ "id": 1, "titulo": "Estudiar para el examen", "completada": false }`.

```
POST http://localhost:3000/tareas
```

Params Authorization Headers (8) Body Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

Schema Beautify

```
1 {
2   "id": 1,
3   "titulo": "Estudiar para el examen",
4   "completada": false
5 }
```

Body Cookies Headers (8) Test Results (0/1)

201 Created • 5 ms • 334 B

Save Response

☒ JSON Preview Visualize

```
1 {
2   "id": 1,
3   "titulo": "Estudiar para el examen",
4   "completada": false
5 }
```

## Validar contraseña

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/validar-password`. The request body is a JSON object: `{ "password": "Password123" }`. The response is a 200 OK status with a 4 ms response time and 297 B of data. The response body is a JSON object: `{ "esValida": true, "errores": [] }`.

```
POST http://localhost:3000/validar-password
```

```
{
  "password": "Password123"
}
```

200 OK · 4 ms · 297 B

```
{
  "esValida": true,
  "errores": []
}
```

## Conversor de temperatura:

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/convertir-temperatura`. The request body is a JSON object: `{ "valor": 100, "desde": "C", "hacia": "F" }`. The response is a 200 OK status with a 11 ms response time and 354 B of data. The response body is a JSON object: `{ "valorOriginal": 100, "valorConvertido": 212, "escalaOriginal": "C", "escalaConvertida": "F" }`.

```
POST http://localhost:3000/convertir-temperatura
```

```
{
  "valor": 100,
  "desde": "C",
  "hacia": "F"
}
```

200 OK · 11 ms · 354 B

```
{
  "valorOriginal": 100,
  "valorConvertido": 212,
  "escalaOriginal": "C",
  "escalaConvertida": "F"
}
```

## Buscador en Array

POST http://localhost:3000/buscar Send

Params Authorization Headers (8) **Body** Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Schema Beautify

```
1 {
2   "array": [1, 2, 3, "hola", true, {"nombre": "Juan"}],
3   "elemento": "hola"
4 }
```

**Body** Cookies Headers (8) Test Results (1/1) 200 OK 4 ms 321 B Save Response

{} JSON Preview Visualize

```
1 {
2   "encontrado": true,
3   "indice": 3,
4   "tipoElemento": "string"
5 }
```

## Contador de palabras

POST http://localhost:3000/contar-palabras Send

Params Authorization Headers (8) **Body** Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Schema Beautify

```
1 {
2   "texto": "El rápido zorro marrón salta sobre el perro perezoso"
3 }
```

**Body** Cookies Headers (8) Test Results (1/1) 200 OK 5 ms 326 B Save Response

{} JSON Preview Visualize

```
1 {
2   "totalPalabras": 9,
3   "totalCaracteres": 52,
4   "palabrasUnicas": 8
5 }
```

## Generador de perfiles de usuario

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/generar-perfil`. The request body is a JSON object:

```
1 {
2   "nombre": "Efren Escamilla",
3   "edad": 28,
4   "intereses": ["programación", "música", "deportes"]
5 }
```

The response is a 200 OK status with a response time of 4 ms and a size of 477 B. The response body is a JSON object:

```
2 "usuario": {
3   "nombre": "Efren Escamilla",
4   "edad": 28,
5   "intereses": [
6     "programación",
7     "música",
8     "deportes"
9   ]
10 },
11 "id": "d4eda7eb-6dc1-4525-8a08-14577676fbfe",
12 "fechaCreacion": "2025-10-08T07:13:40.253Z",
13 "categoria": "senior"
```

## Sistemas de calificaciones

The screenshot shows a REST client interface with a POST request to `http://localhost:3000/calcular-promedio`. The request body is a JSON object:

```
1 {
2   "calificaciones": [8, 7, 9, 6, 10, 5]
3 }
```

The response is a 200 OK status with a response time of 4 ms and a size of 352 B. The response body is a JSON object:

```
1 {
2   "promedio": 7.5,
3   "calificacionMasAlta": 10,
4   "calificacionMasBaja": 5,
5   "estado": "aprobado"
6 }
```

## API De productos

**POST** `http://localhost:3000/productos` **Send**

Params Authorization Headers (8) **Body** Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** Schema Beautify

```
1 {
2   "nombre": "Mouse Inalámbrico",
3   "categoria": "Tecnología",
4   "precio": 25,
5   "descripcion": "Mouse ergonómico inalámbrico"
6 }
7
8
```

**Body** Cookies Headers (8) Test Results (0/1) 201 Created • 3 ms • 439 B Save Response

**JSON** Preview Visualize

```
1 {
2   "id": 2,
3   "nombre": "Mouse Inalámbrico",
4   "categoria": "Tecnología",
5   "precio": 25,
6   "descripcion": "Mouse ergonómico inalámbrico",
7   "fechaCreacion": "2025-10-08T07:17:12.481Z"
8 }
```

**POST** `http://localhost:3000/productos` **Send**

Params Authorization Headers (8) **Body** Scripts Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** Schema Beautify

```
1 {
2   "nombre": "Libro de Programación",
3   "categoria": "Libros",
4   "precio": 45,
5   "descripcion": "Libro avanzado de JavaScript"
6 }
7
8
```

**Body** Cookies Headers (8) Test Results (0/1) 201 Created • 4 ms • 436 B Save Response

**JSON** Preview Visualize

```
1 {
2   "id": 3,
3   "nombre": "Libro de Programación",
4   "categoria": "Libros",
5   "precio": 45,
6   "descripcion": "Libro avanzado de JavaScript",
7   "fechaCreacion": "2025-10-08T07:17:39.623Z"
8 }
```