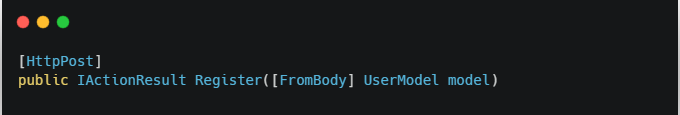
[FromBody], [FromQuery], [FromRoute] ASP.NET Core mein **data receive karne ke sources** batate hain.

**🔹 1. [FromBody]**

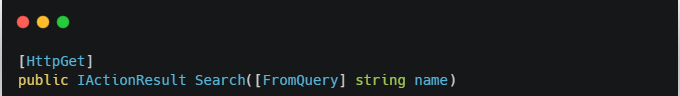
👉 Data **HTTP request body** se aata hai (mostly JSON format).  
✅ Use in: **POST**, **PUT** requests.



🧠 **Real-world:**  
Jab aap form ya frontend (React, Angular) se JSON bhejte ho.

**🔹 2. [FromQuery]**

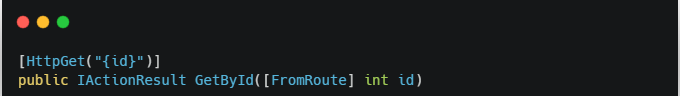
👉 Data **URL query string** se aata hai.  
✅ Use in: **GET requests**.



🧠 **Real-world:**  
GET /api/search?name=Ali

**🔹 3. [FromRoute]**

👉 Data **URL route** se aata hai.  
✅ Use in: URL pattern-based request.



🧠 Real-world:

GET /api/products/5

**🔹 3. [FromForm]**

[FromForm] attribute **HTML form se aane wale data** ko receive karne ke liye use hota hai.

👉 Ye **multipart/form-data** ya **application/x-www-form-urlencoded** data ko handle karta hai.

### **Kab Use Karein?**

✅ Jab aap:

* HTML form se data bhej rahe ho
* File upload kar rahe ho
* Plain form fields use ho rahe hain (na ki JSON)



[FromForm] ka use **HTML form data** ya **file upload** handle karne ke liye hota hai — mostly jab **client side** (like HTML form ya Postman) se multipart/form-data bheja jaata hai.

### 🔹 Use Case: [FromForm] in Web API

#### ✅ **Jab Client** multipart/form-data **bhejta hai:**

* HTML Form
* File upload (image, PDF, etc.)
* Postman se file + fields bhejna

### ✅ When to Use Which:

| **Attribute** | **Content-Type** | **Common Use** |
| --- | --- | --- |
| FromBody | application/json | JSON data from the frontend app |
| FromForm | multipart/form-data | HTML forms, file upload |

**✅ Summary Table Updated:**

| **Attribute** | **Source** | **Used In** | **Example** |
| --- | --- | --- | --- |
| FromBody | HTTP request body | POST/PUT | { "name": "Ali" } |
| FromQuery | URL query string | GET | /api/users?name=Ali |
| FromRoute | URL path | GET/DELETE | /api/users/123 |
| FromForm | HTML Form fields | POST | <input name="name">, file upload |