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1. Python – Basic CRUD Example (Dictionary)
# Simple CRUD with dictionary
students = {}
# Create
students["101"] = {"name": "Alice", "marks": 85}
# Read
print(students["101"])
# Update
students["101"]["marks"] = 90
# Delete
del students["101"]
♦ 2. Java – Class and Object Example
public class Student {
 String name;
 int marks;
 Student(String n, int m) {
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name = n;
   marks = m;
 }
 void display() {
   System.out.println(name + " scored " + marks);
 }
 public static void main(String[] args) {
   Student s1 = new Student("Bob", 80);
   s1.display();
 }
}
♦ 3. HTML + CSS + JS – Simple Page
HTML:
<!DOCTYPE html>
<html>
<head>
<title>My Web Page</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
```

```
<h1 id="greet">Hello!</h1>
 <button onclick="changeText()">Click Me</button>
 <script src="script.js"></script>
</body>
</html>
CSS (style.css):
body {
font-family: Arial;
background-color: #f0f0f0;
text-align: center;
}
JavaScript (script.js):
function changeText() {
document.getElementById("greet").innerText = "Welcome to Smart Internz!";
}
♦ 4. Node.js + Express – Basic API
const express = require('express');
const app = express();
app.use(express.json());
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let students = [];
app.post('/students', (req, res) => {
 students.push(req.body);
 res.send("Student added");
});
app.get('/students', (req, res) => {
 res.json(students);
});
app.listen(3000, () => {
 console.log("Server running on port 3000");
});
♦ 5. MongoDB (Mongoose) – Schema Example
const mongoose = require('mongoose');
const studentSchema = new mongoose.Schema({
 name: String,
 marks: Number
});
```

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const Student = mongoose.model('Student', studentSchema);
♦ 6. Python – Basic ML Example (Scikit-Learn)
from sklearn.linear_model import LinearRegression
import numpy as np
X = np.array([[1], [2], [3]])
y = np.array([2, 4, 6])
model = LinearRegression()
model.fit(X, y)
print(model.predict([[4]])) # Output: [8.]
♦ 7. Git Commands (Terminal)
git init
git add.
git commit -m "Initial commit"
git remote add origin https://github.com/username/repo.git
git push -u origin main
```