

## Practice Exercises (3 Questions)

### 1. Read and Parse Nested JSON Data

Given the JSON file `company.json` with employee records:

```
{  
  "company": "TechCorp",  
  "employees": [  
    {"name": "Alice", "role": "Developer"},  
    {"name": "Bob", "role": "Designer"},  
    {"name": "Charlie", "role": "Manager"}  
  ]  
}
```

- Write a Python script to load this JSON file and print each employee's name and role.

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### 2. Convert Python Dictionary to JSON and Save to a File

- Create a dictionary containing book details (title, author, year, price).



Karnataka, Bangalore, 560049

+91 97419 82589, +91 97318 52489

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- Convert the dictionary to JSON using `json.dumps()`.
- Write the JSON string to a file (`books.json`).

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### 3. Handle JSON Parsing Errors

- Write a script that tries to load an invalid JSON string and handles errors using `try-except`.
- Example:

```
invalid_json = '{ "name": "John", age: 30 }' # Missing quotes for  
age
```

- The program should catch `json.JSONDecodeError` and print an appropriate error message.



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