



7

-> # Using List to store student records

```
students_list = [
```

```
{ "roll_no": 101, "name": "Alice", "dob": "2002-05-14",  
  "address": "New York" },
```

```
{ "roll_no": 102, "name": "Bob", "dob": "2001-09-23",  
  "address": "Los Angeles" },
```

```
{ "roll_no": 103, "name": "Charlie", "dob": "2003-07-19",  
  "address": "Chicago" },
```

```
]
```

```
students_set = {101, 102, 103}
```

```
students_map = {
```

```
101: { "name": "Alice", "dob": "2002-05-14", "address":  
      "New York" },
```

```
102: { "name": "Bob", "dob": "2001-09-23", "address":  
      "Los Angeles" },
```

```
103: { "name": "Charlie", "dob": "2003-07-19", "address":  
      "Chicago" },
```

```
}
```




```
def add_student(roll_no, name, dob, address):  
    if roll_no in students_set:
```

```
        print(f"Student with Roll No {roll_no}  
              already exists.")
```

```
    return
```

```
    students_list.append(  
        {  
            "roll_no": roll_no, "name": name, "dob": dob,  
            "address": address  
        }  
    )
```

```
    students_set.add(roll_no)
```

```
    students_map[roll_no] = {  
        "name": name, "dob":  
        dob, "address": address  
    }
```

```
    print(f"Student {name} added successfully.")
```

```
def display_students():
```

```
    print("In Student Records :")
```

```
    for student in student_list:
```

```
        print(student)
```

```
def find_student(roll_no):
```

```
    if roll_no in students_map:
```

```
        print(f"In Details of Roll No {roll_no}:  
              {students_map[roll_no]}")
```

```
    else:
```

```
        print(f"Student with Roll No {roll_no}  
              not found.")
```



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Date:

add - student (104, "David", "2004-01-12", "Houston")

display - student (50)

find - student (102)