

## Sadeen Khatib

### 1212164

```
sadeen@sadeen-VirtualBox: ~/Desktop
sadeen@sadeen-VirtualBox:~/Desktop$ ./1212164_Sadeen.sh

-----Medical Record Management System-----

-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
1
Enter Patient ID (7 digits):
1212164
Enter Test Name:
Choose One:
Hemoglobin
Blood
LDL
Systolic
Diastolic
LDL
Enter Test Date (YYYY-MM):
2024-90
Invalid Date!
Enter Test Date (YYYY-MM):
2024-08
Enter Result:
90
Enter Status (Pending, Completed, Reviewed):
Pending
--Record added successfully!

-----Medical Record Management System-----

-----Hello, Choose one:
```

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-----Medical Record Management System-----

-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164

1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
4. Retrieve tests based on status
Choose an option:
1
1212164: Hemoglobin, 2024-08, 39, Reviewed
1212164: LDL, 2024-08, 300, Reviewed
1212164: Hemoglobin, 2024-08, 14, Reviewed
1212164: LDL, 2024-08, 90, Reviewed
1212164: LDL, 2024-08, 90, mg/dL, Pending

-----Medical Record Management System-----

-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164
```

```
sadeen@sadeen-VirtualBox: ~/Desktop
sadeen@sadeen-VirtualBox:~/Desktop$ ./1212164_Sadeen.sh
-----Medical Record Management System-----
-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upornal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212163
Patient Id '1212163' Not found.
sadeen@sadeen-VirtualBox:~/Desktop$ ./1212164_Sadeen.sh
-----Medical Record Management System-----
-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upornal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164
1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
4. Retrieve tests based on status
Choose an option:
1
1212164: Hemoglobin, 2024-06, 20, Reviewed
1212164: Blood, 2024-08, 100, mg/dL, Pending
```

```
sadeen@sadeen-VirtualBox: ~/Desktop
-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upornal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164
1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
4. Retrieve tests based on status
Choose an option:
1
1212164: Hemoglobin, 2024-06, 20, Reviewed
1212164: Blood, 2024-08, 100, mg/dL, Pending
1212164: LDL, 2024-04, 120, mg/dL, Completed
1212164: LDL, 2024-08, 90, mg/dL, Pending
-----Medical Record Management System-----
-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upornal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164
1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
```

```
sadeen@sadeen-VirtualBox: ~/Desktop

3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164

1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
4. Retrieve tests based on status
Choose an option:
2
1212164: Hemoglobin, 2024-06, 20, Reviewed,
1212164: Blood, 2024-08, 100, mg/dL, Pending
1212164: LDL, 2024-04, 120, mg/dL, Completed

-----Medical Record Management System-----

-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164

1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
4. Retrieve tests based on status
Choose an option:
3
Enter Start date (YYYY-MM):
```

```
sadeen@sadeen-VirtualBox: ~/Desktop

3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164

1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
4. Retrieve tests based on status
Choose an option:
3
Enter Start date (YYYY-MM):
2024-09
Enter End date (YYYY-MM):
2024-01
End date must be after Start date. Please re-enter the dates.
Enter Start date (YYYY-MM):
2024-07
Enter End date (YYYY-MM):
2024-09
1212164: Blood, 2024-08, 100 mg/dL, Pending
1212164: LDL, 2024-08, 90 mg/dL, Pending

-----Medical Record Management System-----

-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164
```

```
sadeen@sadeen-VirtualBox: ~/Desktop

3
7. Exit
Enter Patient ID:
1212164

1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
4. Retrieve tests based on status
Choose an option:
4
Enter status to search (Pending, Completed, Reviewed):
Pending
1212164: Blood, 2024-08, 100, mg/dL, Pending
1212164: LDL, 2024-08, 90, mg/dL, Pending

-----Medical Record Management System-----

-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
3
Enter Patient ID:
1212164

1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
4. Retrieve tests based on status
Choose an option:
4
Enter status to search (Pending, Completed, Reviewed):
Completed
1212164: LDL, 2024-04, 120, mg/dL, Completed
```

```
sadeen@sadeen-VirtualBox: ~/Desktop$ ./1212164_Sadeen.sh

-----Medical Record Management System-----

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4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
5

Average for Blood: 72.80 mg/dL
Average for Diastolic: 84.00 mm Hg
Average for Systolic: 48.00 mm Hg
Average for Hemoglobin: 7.40 g/dL

-----Medical Record Management System-----

-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
6
All records in the system:
1300511: Blood, 2024-03, 14, mg/dL, pending
1220187: Systolic, 2022-08, 130, mm Hg, completed
1220187: Blood, 2024-03, 100, mg/dL, pending
1220187: Systolic, 2018-08, 110, mm Hg, pending
1220187: Diastolic, 2020-01, 320, mm Hg, Reviewed
1220187: Blood, 2020-07, 80, mg/dL, pending
```

```
sadeen@sadeen-VirtualBox: ~/Desktop
-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
6
All records in the system:
1300511: Blood, 2024-03, 14, mg/dL, pending
1220187: Systolic, 2022-08, 130, mm Hg, completed
1220187: Blood, 2024-03, 100, mg/dL, pending
1220187: Systolic, 2018-08, 110, mm Hg, pending
1220187: Diastolic, 2020-01, 320, mm Hg, Reviewed
1220187: Blood, 2020-07, 80, mg/dL, pending
1220187: Blood, 2020-07, 70, mg/dL, pending
1212164: Hemoglobin, 2024-06, 20, Reviewed
1231164: Diastolic, 2024-07, 100, mm Hg, pending
1220187: Hemoglobin, 2024-08, 17, g/dL, completed
1212164: Blood, 2024-08, 100, mg/dL, Pending

Enter Patient ID:
1212164
Enter Test Name:
Choose One:
Hemoglobin
Blood
LDL
Systolic
Diastolic
Blood
Enter Test Date (format: YYYY-MM):
2024-08

Enter New Result:
90
--Test result updated successfully!

-----Medical Record Management System-----
```

```
sadeen@sadeen-VirtualBox: ~/Desktop

Enter Patient ID:
1212164
Enter Test Name:
Choose One:
Hemoglobin
Blood
LDL
Systolic
Diastolic
Blood
Enter Test Date (format: YYYY-MM):
2024-08

Enter New Result:
90
--Test result updated successfully!

-----Medical Record Management System-----

-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
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Enter Patient ID:
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1. Retrieve all tests
2. Retrieve all up normal tests
3. Retrieve tests in a specific period (YYYY-MM)
4. Retrieve tests based on status
Choose an option:
1
1212164: Hemoglobin, 2024-06, 20, Reviewed
1212164: Blood, 2024-08, 90, mg/dL, Pending
```

```
sadeen@sadeen-VirtualBox: ~/Desktop
-----Medical Record Management System-----
-----Hello, Choose one:
1. Add New Record
2. Delete Record
3. Retrieve Records by Patient ID
4. Search for Upormal Tests
5. Average Test Value
6. Update an existing test result
7. Exit
2
-----Recent Records-----
1300511: Blood, 2024-03, 14, mg/dL, pending
1220187: Systolic, 2022-08, 130, mm Hg, completed
1220187: Blood, 2024-03, 100, mg/dL, pending
1220187: Systolic, 2018-08, 110, mm Hg, pending
1220187: Diastolic, 2020-01, 320, mm Hg, Reviewed
1220187: Blood, 2020-07, 80, mg/dL, pending
1220187: Blood, 2020-07, 70, mg/dL, pending
1212164: Hemoglobin, 2024-06, 20, Reviewed
1231164: Diastolic, 2024-07, 100, mm Hg, pending
1220187: Hemoglobin, 2024-08, 17, g/dL, completed
1212164: Blood, 2024-08, 90, mg/dL, Pending

Enter Patient ID:
1212164

Enter Test Name:
Hemoglobin
Blood
LDL
Systolic
Diastolic
Blood

Enter Test Date (YYYY-MM):
2024-08
--Record deleted successfully
-----Medical Record Management System-----
```

```
sadeen@sadeen-VirtualBox: ~/Desktop

Enter Patient ID:
1212164

Enter Test Name:
  Hemoglobin
  Blood
  LDL
  Systolic
  Diastolic
Blood

Enter Test Date (YYYY-MM):
2024-08
--Record deleted successfully

-----Medical Record Management System-----

-----Hello, Choose one:
  1. Add New Record
  2. Delete Record
  3. Retrieve Records by Patient ID
  4. Search for Upornal Tests
  5. Average Test Value
  6. Update an existing test result
  7. Exit
2
-----Recent Records-----
1300511: Blood, 2024-03, 14, mg/dL, pending
1220187: Systolic, 2022-08, 130, mm Hg, completed
1220187: Blood, 2024-03, 100, mg/dL, pending
1220187: Systolic, 2018-08, 110, mm Hg, pending
1220187: Diastolic, 2020-01, 320, mm Hg, Reviewed
1220187: Blood, 2020-07, 80, mg/dL, pending
1220187: Blood, 2020-07, 70, mg/dL, pending
1212164: Hemoglobin, 2024-06, 20, Reviewed
1231164: Diastolic, 2024-07, 100, mm Hg, pending
1220187: Hemoglobin, 2024-08, 17, g/dL, completed

Enter Patient ID:

```