

Faculty of Engineering and Technology Electrical and Computer Engineering Department

Computer Architecture ENCS4370

First Project

Medical Test Management System
First Test

Prepared by:

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Partners:

Abdel Rahman Shahen Student NO. 1211753

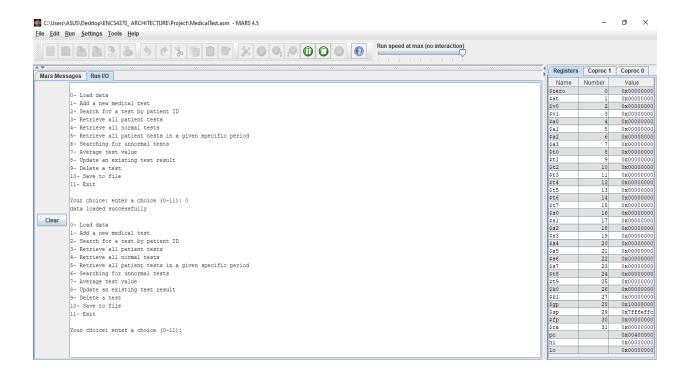
Instructor: Dr. Aziz Qaroush

Section: One Date: 30_4_2024

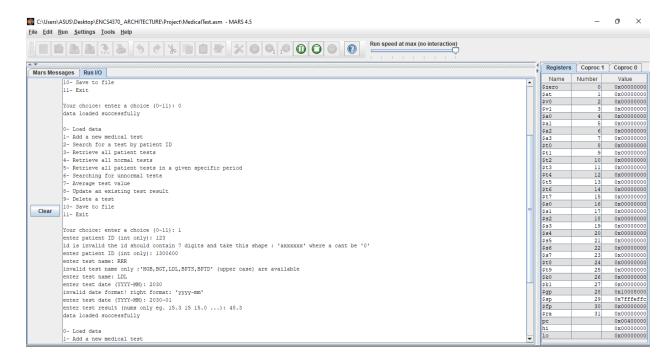
File Contents:

1300500: HGB, 2020-01, 12.1 1300511: BGT, 2021-02, 50.2 1300522: LDL, 2022-03, 120.3 1300533: BPTS, 2023-04, 180.4 1300523: HGB, 2020-01, 18.1 1300544: BPTD, 2024-05, 90.5 1300555: HGB, 2025-06, 14.6 1300566: BGT, 2026-07, 79.9 1300577: LDL, 2027-09, 60.8 1300588: BPTS, 2028-09, 100.9 1300599: BPTD, 2029-10, 40.0

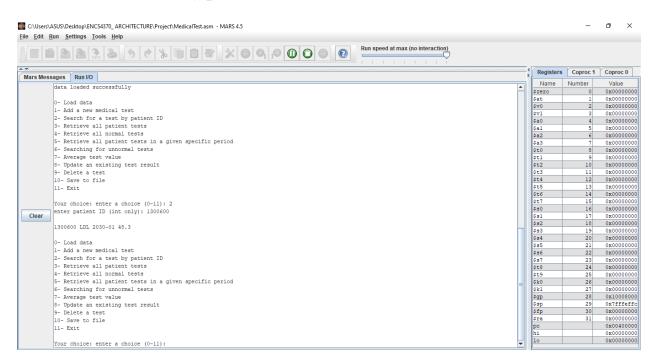
1. Load Data From File:



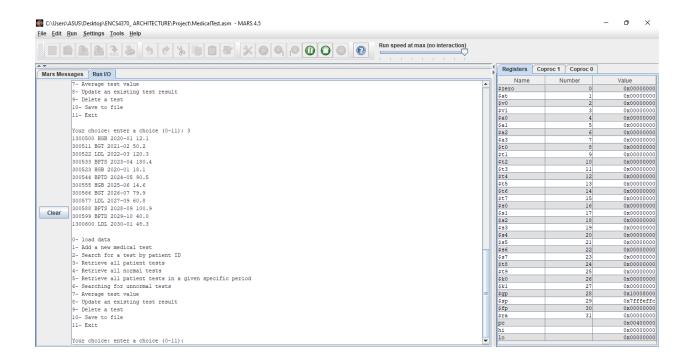
2. Add a New Medical Test:



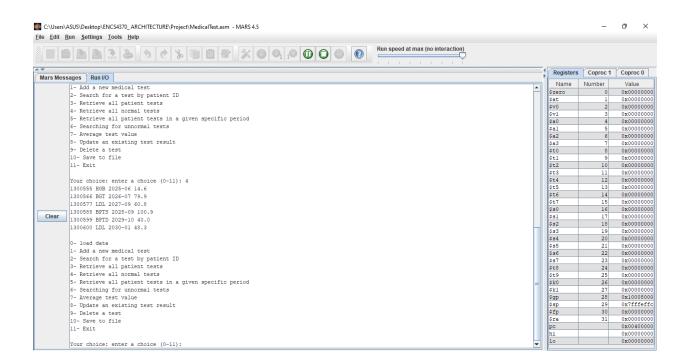
3. Search for a Test by patient ID:



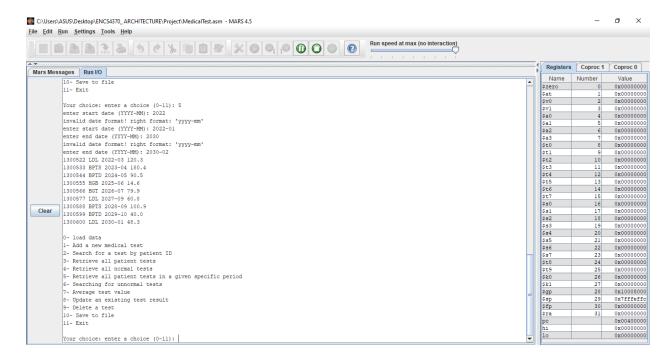
4. Retrieve all patient Tests:



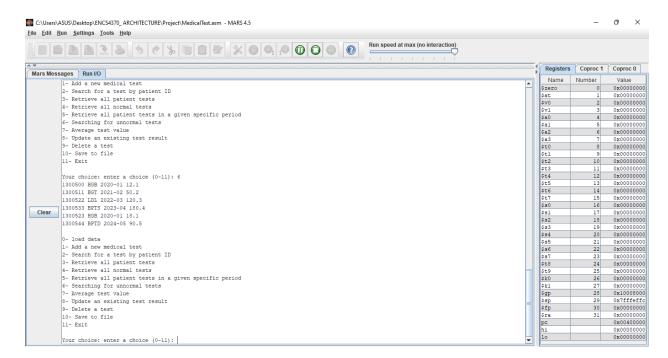
5. Retrieve all up Normal patient Tests:



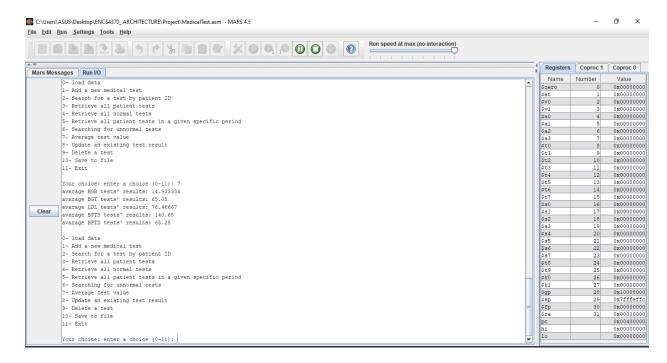
6. Retrieve all patient tests in a given specific period:



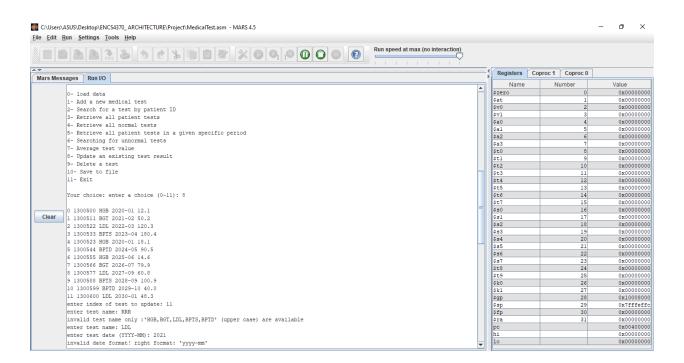
7. Retrieve all Unnormal patient Tests:

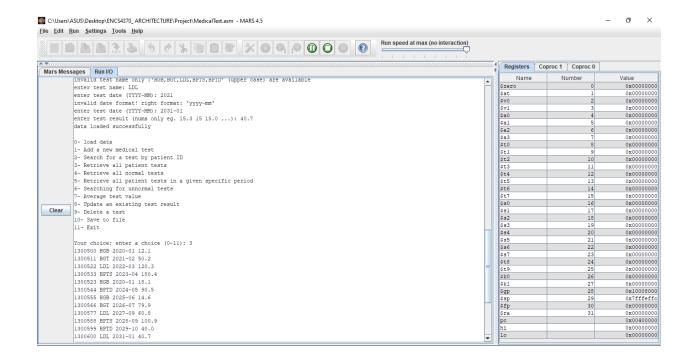


8. Retrieve the Average value of each Medical Test:

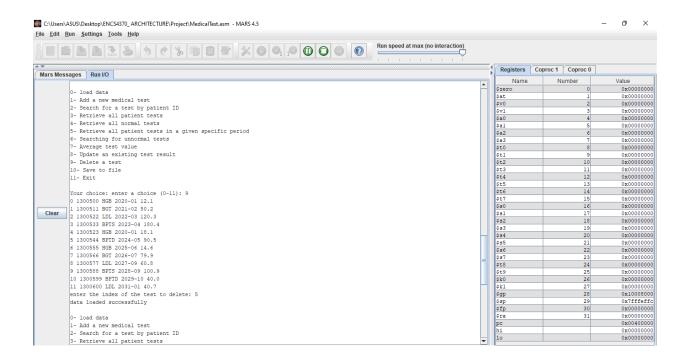


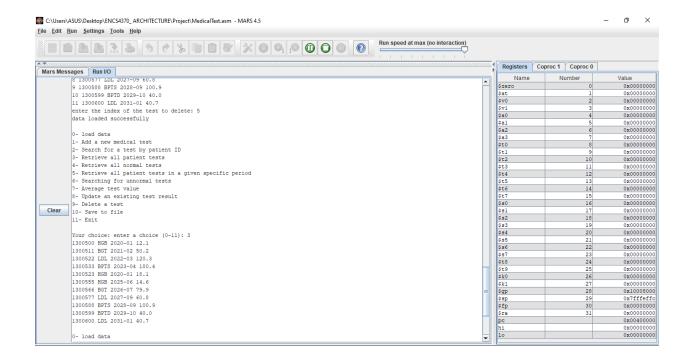
9. Update an existing Test:



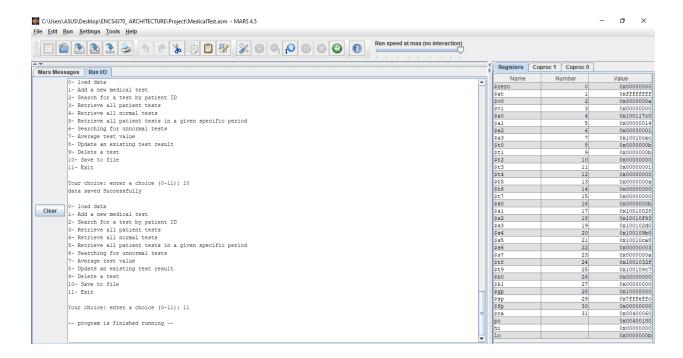


10. Delete a Test:





11. Save To File:



1300500: HGB, 2020-01, 12.1

1300511: BGT, 2021-02, 50.2

1300522: LDL, 2022-03, 120.3

1300533: BPTS, 2023-04, 180.4

1300523: HGB, 2020-01, 18.1

1300555: HGB, 2025-06, 14.6

1300566: BGT, 2026-07, 79.9

1300577: LDL, 2027-09, 60.8

1300588: BPTS, 2028-09, 100.9

1300599: BPTD, 2029-10, 40.0

1300600: LDL, 2031-01, 40.7