Text

Description automatically generated

Steps for execution

1. Copy the code from ***“Advanced Software Paradigms\_CSCI\_6221\_10\_Sagar\_Sheth\_HW8.txt”.***
2. Open the below link in the web browser.
   * <https://www.onlinegdb.com/online_prolog_compiler>
3. Paste the Code in and Click on the Execute Button.

Text

Description automatically generated

1. The below output should be displayed on the terminal.

Graphical user interface, text

Description automatically generated

**Instructions to run the code and query the students:**

1. The Code will ask the user to enter the number of students it wants to work with.
2. After entering above number, it will ask the following information regarding the student
   * Enter student name:
   * Enter HW1 score: Enter an integer:
   * Enter HW2 score: Enter an integer:
   * Enter HW3 score: Enter an integer:
   * Enter Mid Term score: Enter an integer:
   * Enter Final Term score: Enter an integer:
   * Enter Project score: Enter an integer:
3. This process will go on till you enter the information of all the students.
4. After this process the code will ask the user to enter the Student name, make sure the value entered is case sensitive.
5. After giving the grade it will ask the user if it wants to calc the grade of another student, if selected y it will ask the student name if selected n the code will go to the next function.
6. In this function will ask the user to enter a GPA and if a student/students have that GPA it will print their names.
7. After printing the names the code will ask if it user wants to search again, if selected y it will ask the GPA if selected n the code will exit.
8. If the code exits the user has to re-enter all the student information again.
9. Kindly refer to the output screenshot as a reference of the for logical flow of the code.