**DATABASE MANAGEMENT SYSTEM**

**MINGGU 6 - PERINTAH DML (DATA MANIPULATION LANGUAGE)-SELECT**

NAMA : ISEP LUTPI NUR

NPM : 2113191079

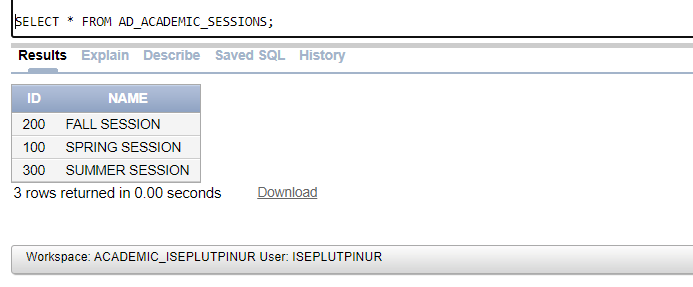
NO ABSEN : 12

KELAS : A2

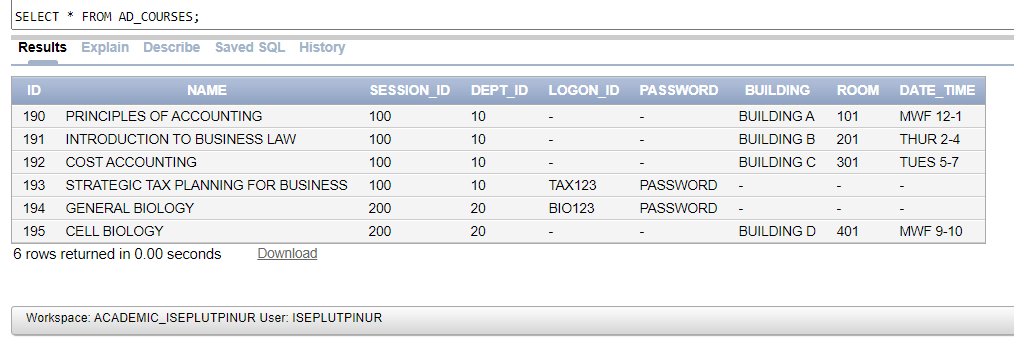
# **6-6 : Retrieving Data Practice Solutions**

## Exercise 1: Retrieving Columns from tables

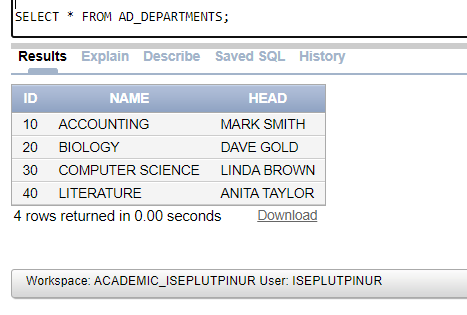
1. Write a simple query to view the data inserted in the tables created for the academic database
   1. Table AD\_ACADEMIC\_SESSIONS



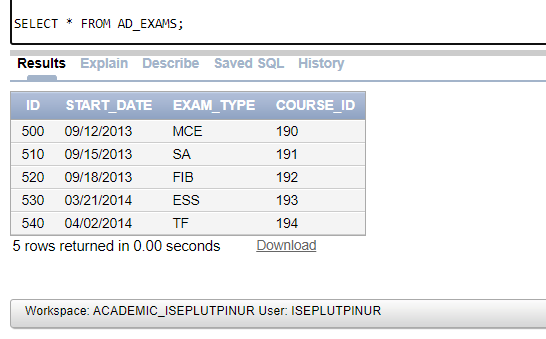
* 1. Table AD\_COURSES



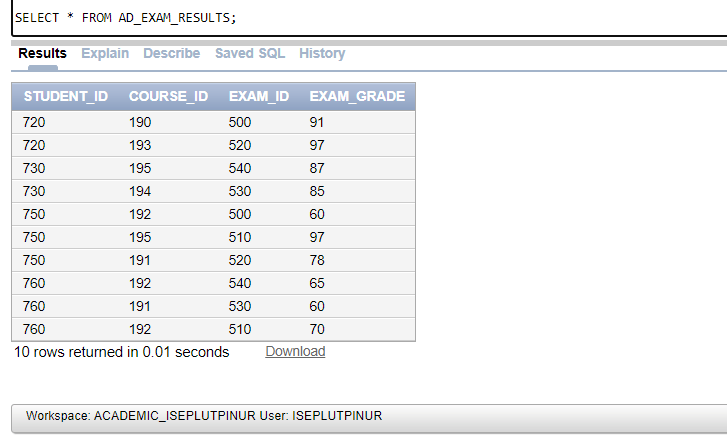
* 1. Table AD\_DEPARTMENTS



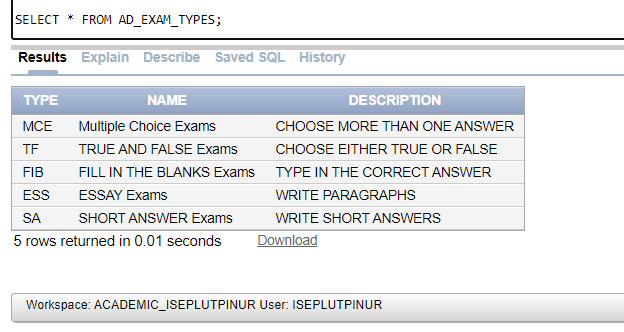
* 1. Table AD\_EXAMS



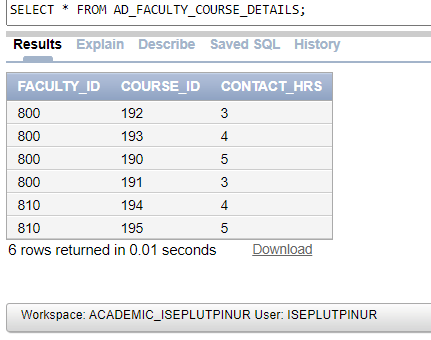
* 1. Table AD\_EXAM\_RESULTS



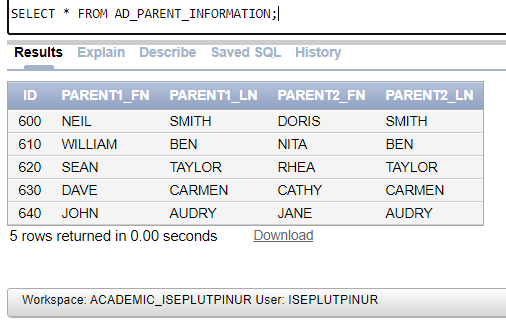
* 1. Table AD\_EXAM\_TYPES



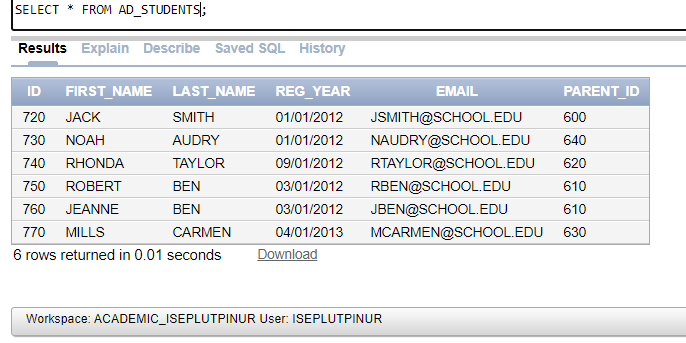
* 1. Table AD\_FACULTY\_COURSE\_DETAILS



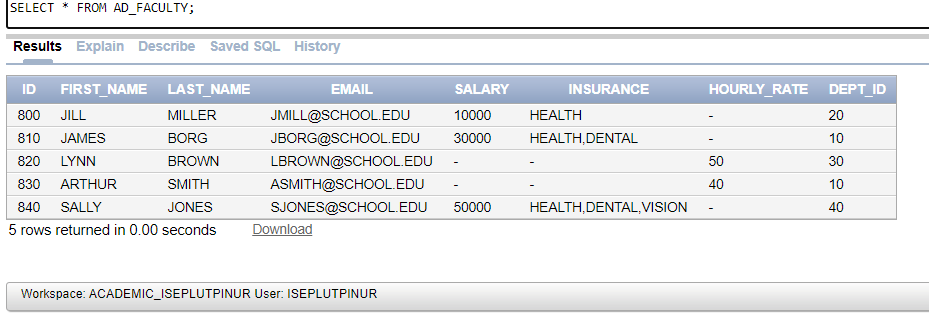
* 1. Table AD\_PARENT\_INFORMATION



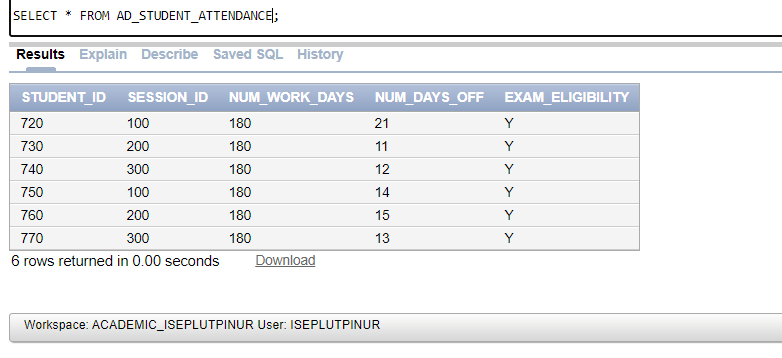
* 1. Table AD\_STUDENTS



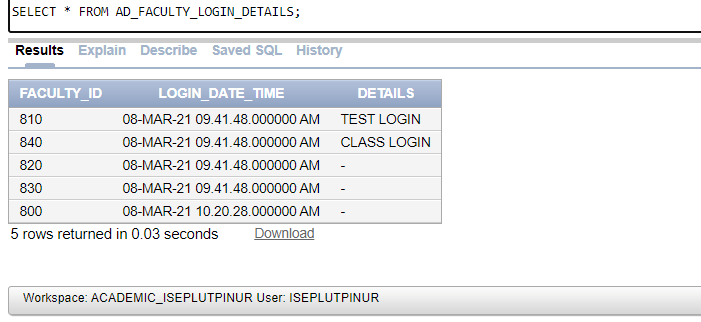
* 1. Table AD\_FACULTY



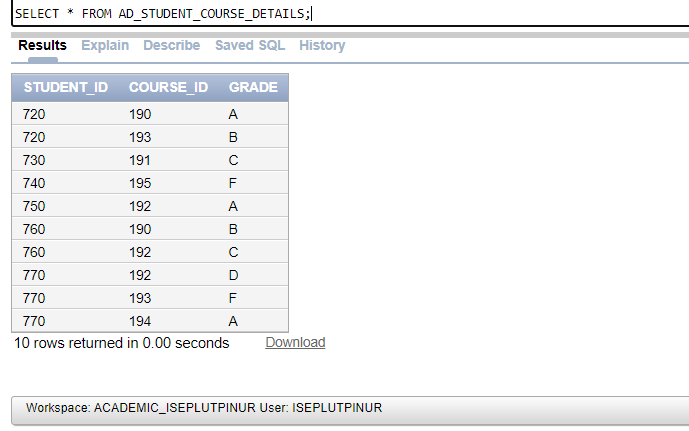
* 1. Table AD\_STUDENT\_ATTENDANCE



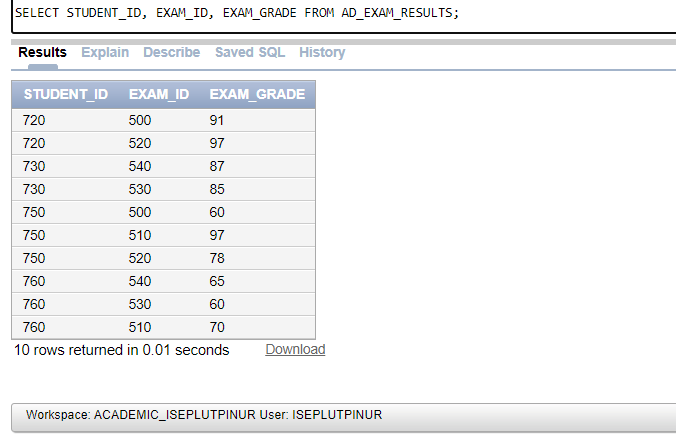
* 1. Table AD\_FACULTY\_LOGIN\_DETAILS



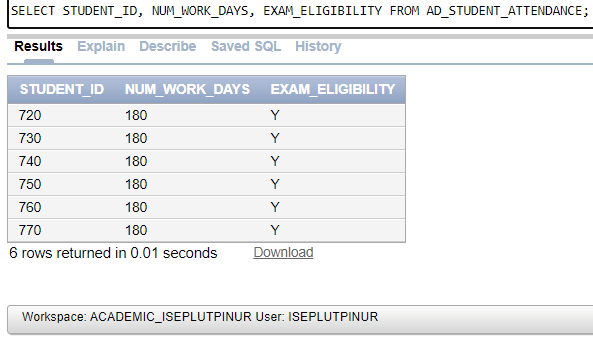
* 1. Table AD\_STUDENT\_COURSE\_DETAILS



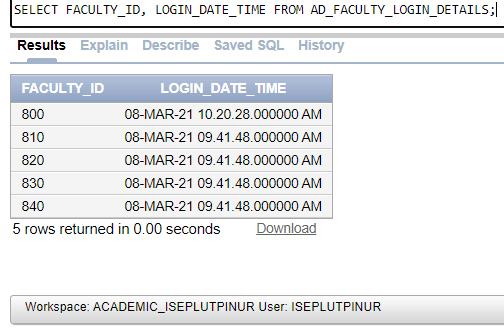
1. Write a query to retrieve the exam grade obtained by each student for every exam attempted.



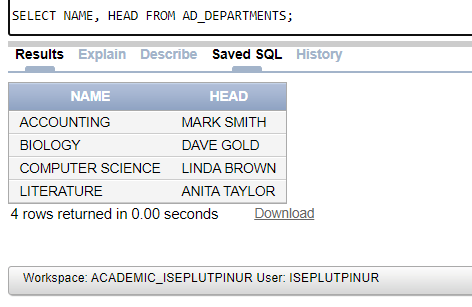
1. Write a query to check if a student is eligible to take exams based on the number of days he/she attended classes.



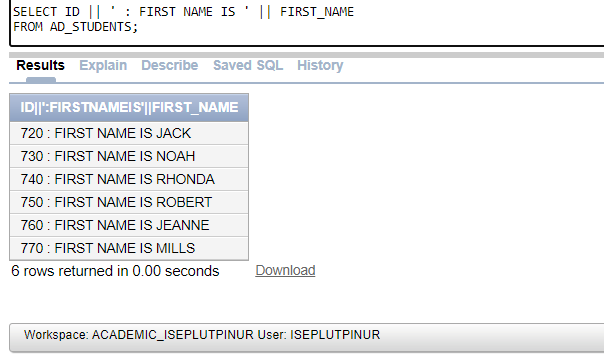
1. Display the LOGIN\_DATE\_TIME for each faculty member



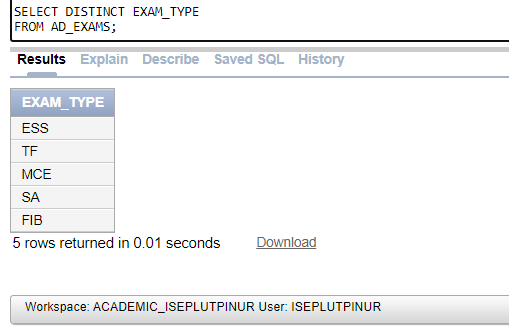
1. Display the name of the Head of the Department for each of the Departments.



1. Retrieve the student ID and first name for each student concatenated with literal text to look like this: 720: FIRST NAME IS JACK

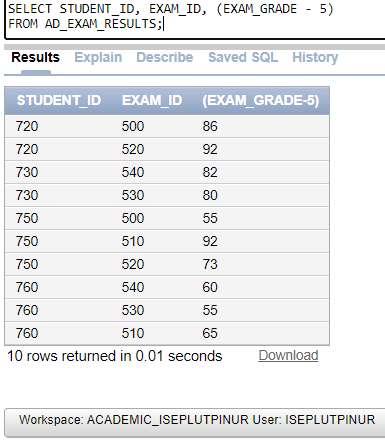


1. Display all the distinct exam types from the AD\_EXAMS table.

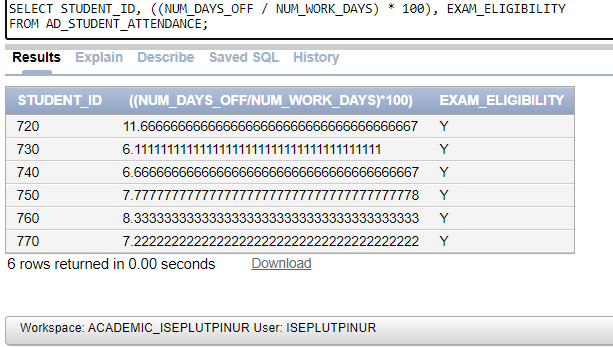


## Exercise 2: Using Arithmetic Operators and Column Alias in SELECT statements

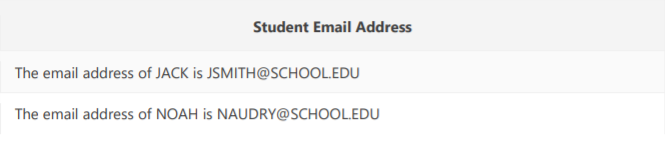
1. The faculty of the different Departments realized that the exam grades entered in the AD\_EXAM\_RESULTS were showing an increased value of 5 points for each entry. Can you display the exam grades with 5 points subtracted from the marks obtained by each student?

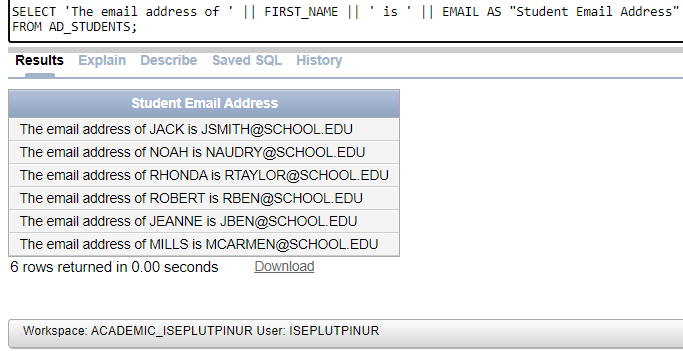


1. Display the percentage of days students have taken off and their eligibility for taking the exams.



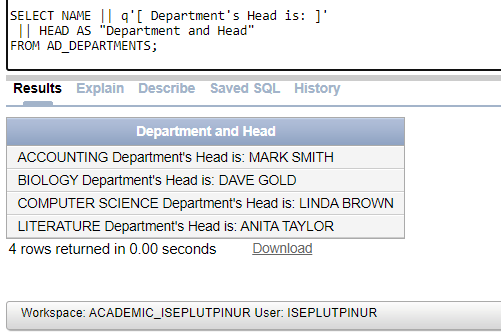
1. Display the FIRST\_NAME and EMAIL for each student like this:



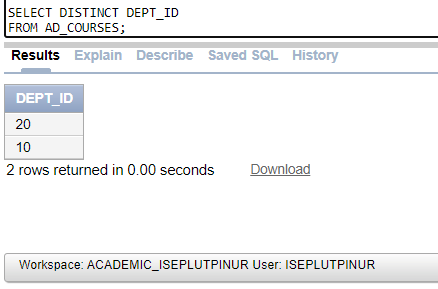


1. Display the department name and the head of the department from the AD\_DEPARTMENTS table like this:





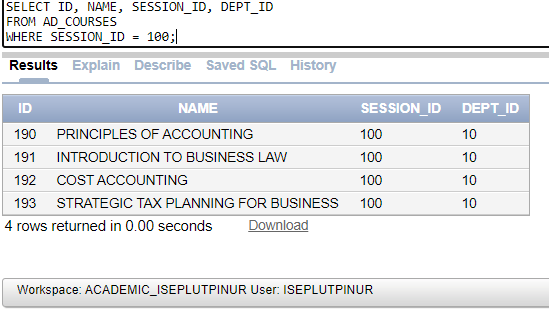
1. Display the distinct DEPARTMENT\_ID from the AD\_COURSE\_DETAILS table.



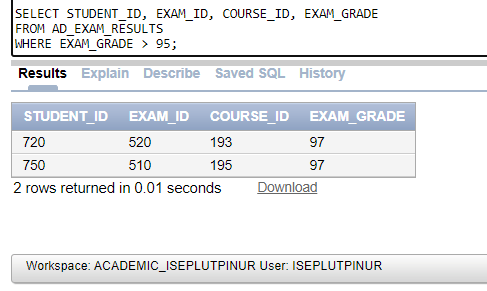
# **6-7 : Restricting Data Using WHERE Statement Practice Solutions**

## Exercise 1: Restricting Data Using SELECT

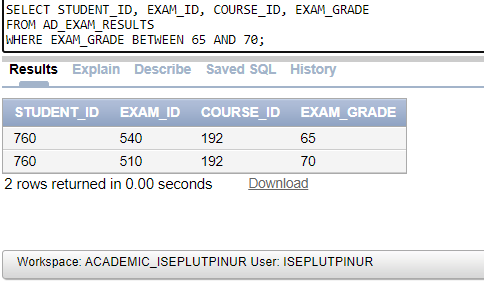
1. Display the course details for the Spring Session.



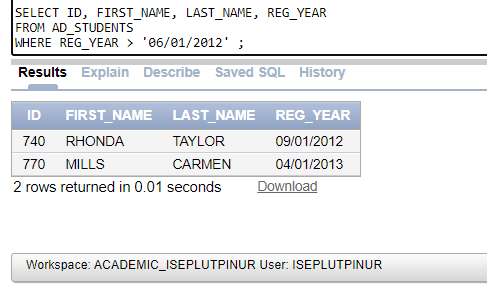
1. Display the details of the students who have scored more than 95.



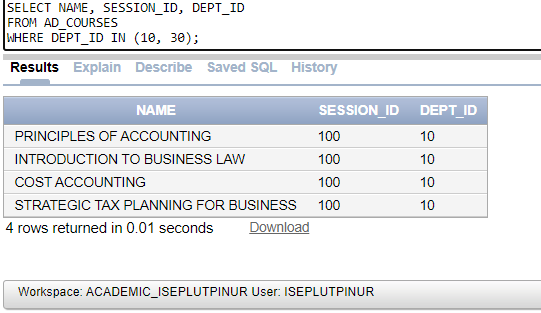
1. Display the details of the students who have scored between 65 and 70



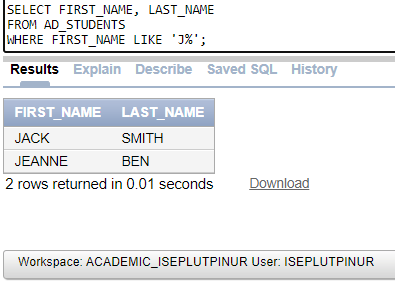
1. Display the students who registered after 01-Jun-2012



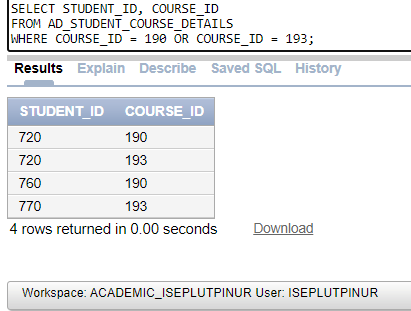
1. Display the course details for departments 10 and 30.



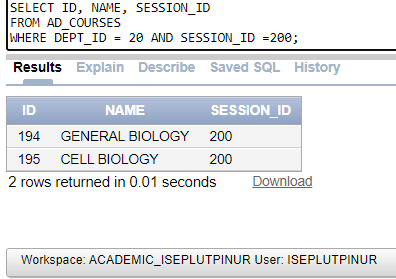
1. Display the details of students whose first name begins with the letter "J".



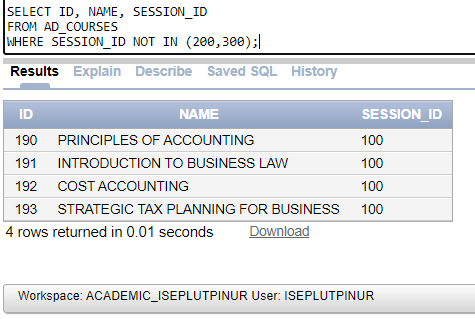
1. Display the details of students who have opted for courses 190 or 193.



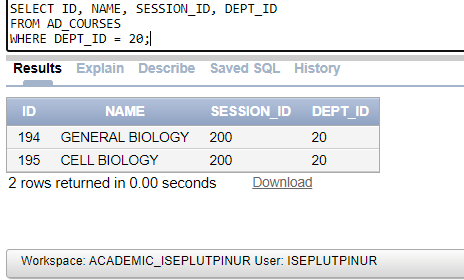
1. Display the course details offered by department 30 for the Fall Session (Session ID 200)



1. Display the course details of courses not being offered in the summer and fall session (Session ID 200 and 300)



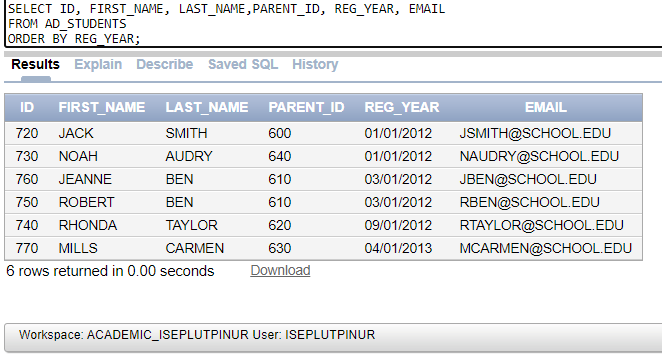
1. Display the course details for department 20.



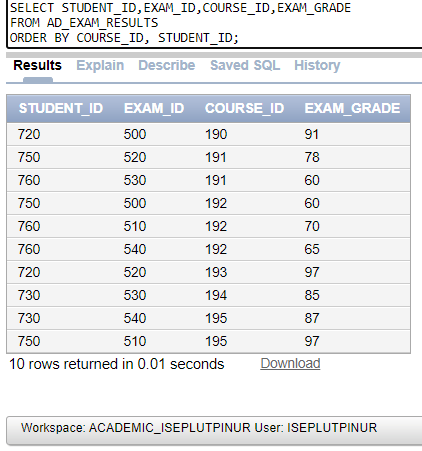
# **6-8 : Sorting Data Using ORDER BY Practice Solutions**

## Exercise 1: Sorting Data Using ORDER BY

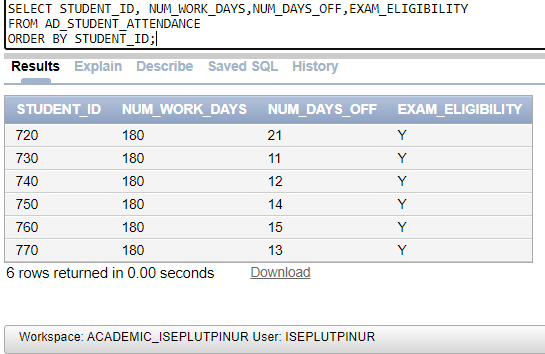
1. Display all fields for each of the records in ascending order for the following tables:
2. AD\_STUDENTS ordered by REG\_YEAR



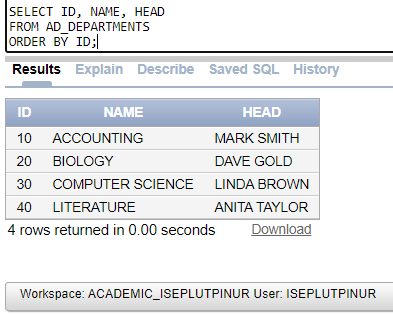
1. AD\_EXAM\_RESULTS ordered by STUDENT\_ID and COURSE\_ID



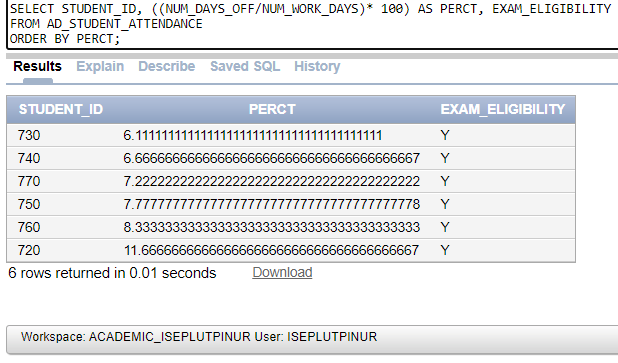
1. AD\_STUDENT\_ATTENDANCE ordered by STUDENT\_ID



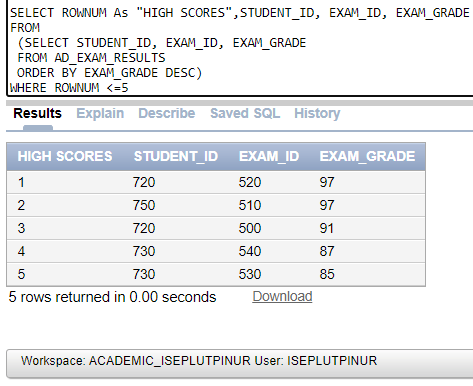
1. AD\_DEPARTMENTS ordered by DEPT\_ID



1. Display the percentage of days students have taken days off and sort the records based on the percentage calculated.



1. Display the top 5 students based on exam grade results.



1. Display the parent details ordered by PARENT\_ID.

