

SQL-Style Student Console – Test Queries & Output

Manual

1. Introduction

This document provides example SQL-style queries for the students.txt table and their expected outputs. Use it as a reference for testing your program.

INPUT	OUTPUT
SELECT * FROM students;	id name age grade 1 Alice 20 A 2 Bob 21 B 3 Charlie 19 A
SELECT name, grade FROM students;	name grade Alice A Bob B Charlie A
SELECT name, age FROM students WHERE grade=A;	name Alice 20 Charlie 19
SELECT id, name FROM students WHERE age=21;	id name 2 Bob
SELECT fullname FROM students;	Error: Field 'fullname' not found.
SELECT * FROM teachers;	Error: Table 'teachers' not found.
EXIT;	Exiting...

3. Notes

- All queries must **end with a semicolon**;
- Field names must match the header exactly: id, name, age, grade.
- WHERE clause format: field=value.


```
Windows PowerShell
PS C:\Users\RAZWANUL\Documents\Coding_World\c_programing\PROJECT> gcc p.c; ./a.exe
=== SQL-Style Student Console ===

Welcome! You can run SQL-style queries on the 'students' table.
Examples of commands:
1. SELECT * FROM students;
2. SELECT name, age FROM students;
3. SELECT name, grade FROM students WHERE age=20;
4. EXIT; (to quit the program)

Rules:
- All queries must end with a semicolon ';'
- Field names must match the table header (id, name, age, grade)
- WHERE clause format: field=value

> SELECT * FROM students;
id      name    age    grade
1       Alice   20     A
2       Bob     21     B
3       Charlie 19     A
> SELECT name, age FROM students;
name    age
Alice   20
Bob     21
Charlie 19
> SELECT name, grade FROM students WHERE age=20;
name    grade
Alice   A
> exit
Exiting...
PS C:\Users\RAZWANUL\Documents\Coding_World\c_programing\PROJECT> |
```

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