

Exercise Sheet number 1

1. Create a C program using the MySQL C API that connects to an existing database in your MySQL Server, creates a table named Fibonacci with two integer attributes, name n and fib, and populates this table with the first 20 values n, fib(n) of the Fibonacci sequence ($\text{fib}(1) = 0$, $\text{fib}(2) = 1$, $\text{fib}(n) = \text{fib}(n-1) + \text{fib}(n-2)$).
2. Create a C program that prints a result set in the same formatted manner as the MySQL Client (see example below).

n	fib
1	0
2	1
3	1
4	2
5	3
6	5
7	8
8	13
9	21
10	34