

Toolchain

```
[tim@host068:~/compile$ ls /opt/crostoool/  
gcc-linaro-7.5.0-2019.12-x86_64_arm-linux-gnueabihf  
tim@host068:~/compile$
```

Hello

```
[pi@target068:/mnt/nfs/compile $ ./hello  
Hello HFU...pi@target068:/mnt/nfs/compile $
```

Makefile

```
[pi@target068:/mnt/nfs/compile $ cat Makefile  
  
all: hello  
  
hello: hello.o increase.o twice.o  
      $(CC) -static hello.o increase.o twice.o -o hello  
  
hello.o: hello.c  
      $(CC) -c hello.c  
  
increase.o: increase.c  
      $(CC) -c increase.c  
  
twice.o: twice.c  
      $(CC) -c twice.c  
  
clean:  
      -rm -f hello hello.o increase.o twice.o  
  
rebuild: clean all  
pi@target068:/mnt/nfs/compile $
```

Hello2

```
[pi@target068:/mnt/nfs/compile $ ./hello
Hello HFU...
result 3
pi@target068:/mnt/nfs/compile $
```

SQLite Bin

```
[pi@target068:~ $ ls /usr/local/bin/
sqlite3
pi@target068:~ $
```

SQL Insert statements

```
[pi@target068:~/sqlite $ cat address.sql
CREATE TABLE Address (
  name varchar(100),
  vorname varchar(100),
  strasse varchar(100),
  plz varchar(100),
  stadt varchar(100)
);

INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Smith', 'John', 'Oak Street 12', '12345', 'Springfield');
INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Doe', 'Jane', 'Maple Avenue 3', '23456', 'Greenville');
INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Brown', 'Charlie', 'South Lane 7', '34567', 'Rivertown');
INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Wilson', 'Emma', 'North Avenue 5', '45678', 'Laketown');
INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Taylor', 'Olivia', 'Pine Road 22', '56789', 'Hillcrest');
INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Lee', 'Lucas', 'Elm Street 15', '67890', 'Sandville');
INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Harris', 'Mia', 'Cedar Blvd 9', '78901', 'Pineville');
INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Martin', 'Noah', 'River Path 18', '89012', 'Clifftown');
INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Garcia', 'Isabella', 'Sunset Drive 27', '90123', 'Coastside');
INSERT INTO Address (name, vorname, strasse, plz, stadt) VALUES ('Robinson', 'Liam', 'Highland Rd 30', '01234', 'Forestville');

pi@target068:~/sqlite $
```

SQL Database

Adress

```
[sqlite> select * from Adress;
Smith|John|Oak Street 12|12345|Springfield
Doe|Jane|Maple Avenue 3|23456|Greenville
Brown|Charlie|South Lane 7|34567|Rivertown
Wilson|Emma|North Avenue 5|45678|Laketown
Taylor|Olivia|Pine Road 22|56789|Hillcrest
Lee|Lucas|Elm Street 15|67890|Sandville
Harris|Mia|Cedar Blvd 9|78901|Pineville
Martin|Noah|River Path 18|89012|Clifftown
Garcia|Isabella|Sunset Drive 27|90123|Coastside
Robinson|Liam|Highland Rd 30|01234|Forestville
sqlite>
```

Dump

```
pi@target068:/mnt/nfs/sqlite/sqlite-autoconf-3450300/install $ nano /home/pi/sqlite
pi@target068:~ $ cat /home/pi/sqlite/dump.txt
PRAGMA foreign_keys=OFF;
BEGIN TRANSACTION;
CREATE TABLE Adress (
  name varchar(100),
  vorname varchar(100),
  strasse varchar(100),
  plz varchar(100),
  stadt varchar(100)
);
INSERT INTO Adress VALUES('Smith','John','Oak Street 12','12345','Springfield');
INSERT INTO Adress VALUES('Doe','Jane','Maple Avenue 3','23456','Greenville');
INSERT INTO Adress VALUES('Brown','Charlie','South Lane 7','34567','Rivertown');
INSERT INTO Adress VALUES('Wilson','Emma','North Avenue 5','45678','Laketown');
INSERT INTO Adress VALUES('Taylor','Olivia','Pine Road 22','56789','Hillcrest');
INSERT INTO Adress VALUES('Lee','Lucas','Elm Street 15','67890','Sandville');
INSERT INTO Adress VALUES('Harris','Mia','Cedar Blvd 9','78901','Pineville');
INSERT INTO Adress VALUES('Martin','Noah','River Path 18','89012','Clifftown');
INSERT INTO Adress VALUES('Garcia','Isabella','Sunset Drive 27','90123','Coastside');
INSERT INTO Adress VALUES('Robinson','Liam','Highland Rd 30','01234','Forestville');
COMMIT;
pi@target068:~ $
```