

## JOINS

**QUESTION:** Given the **CITY** and **COUNTRY** tables, query the names of all cities where the *CONTINENT* is 'Africa'.

**Note:** *CITY.CountryCode* and *COUNTRY.Code* are matching key columns.

### Input Format

The **CITY** and **COUNTRY** tables are described as follows:

**COUNTRY**

Field	Type
CODE	VARCHAR2(3)
NAME	VARCHAR2(44)
CONTINENT	VARCHAR2(13)
REGION	VARCHAR2(25)
SURFACEAREA	NUMBER
INDEPYEAR	VARCHAR2(5)
POPULATION	NUMBER
LIFEEXPECTANCY	VARCHAR2(4)
GNP	NUMBER
GNPOLD	VARCHAR2(9)
LOCALNAME	VARCHAR2(44)
GOVERNMENTFORM	VARCHAR2(44)
HEADOFSTATE	VARCHAR2(32)
CAPITAL	VARCHAR2(4)
CODE2	VARCHAR2(2)

**CITY**

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

## SOLUTION:

```

SELECT ci.Name          #→ Selects the names of cities from the CITY table
FROM CITY ci           #→ Specifies the CITY table and assigns it the alias ci
JOIN COUNTRY c         #→ Joins the COUNTRY table to combine city data
ON ci.CountryCode = c.Code #→ Defines the join condition by matching each city to its country using country codes.
WHERE c.Continent = 'Africa'; #→ Filters the results to include only cities located in African countries.

```