

2019

Przykładowa baza danych dla forum

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Baza danych zamieszczona poniżej jest bazą danych reprezentującą przykładowe forum internetowe. Istnieje konto użytkownika, który może tworzyć kategorie, wątki, posty oraz odpowiedzi do nich.

Domeny w bazie danych:

Available Domains
A data
A description
A email
A id
A name
A number
A Unknown

data: datetime

description: varchar, size 255

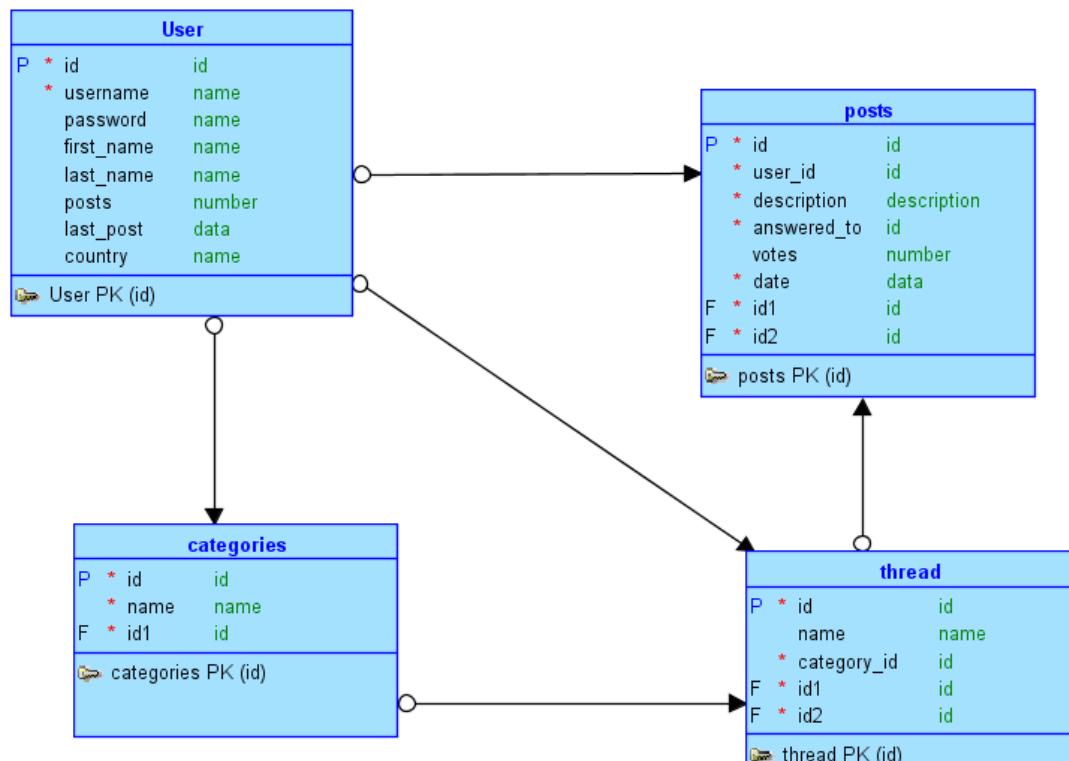
email: varchar, size 50

id: numeric, precision 7, scale 0

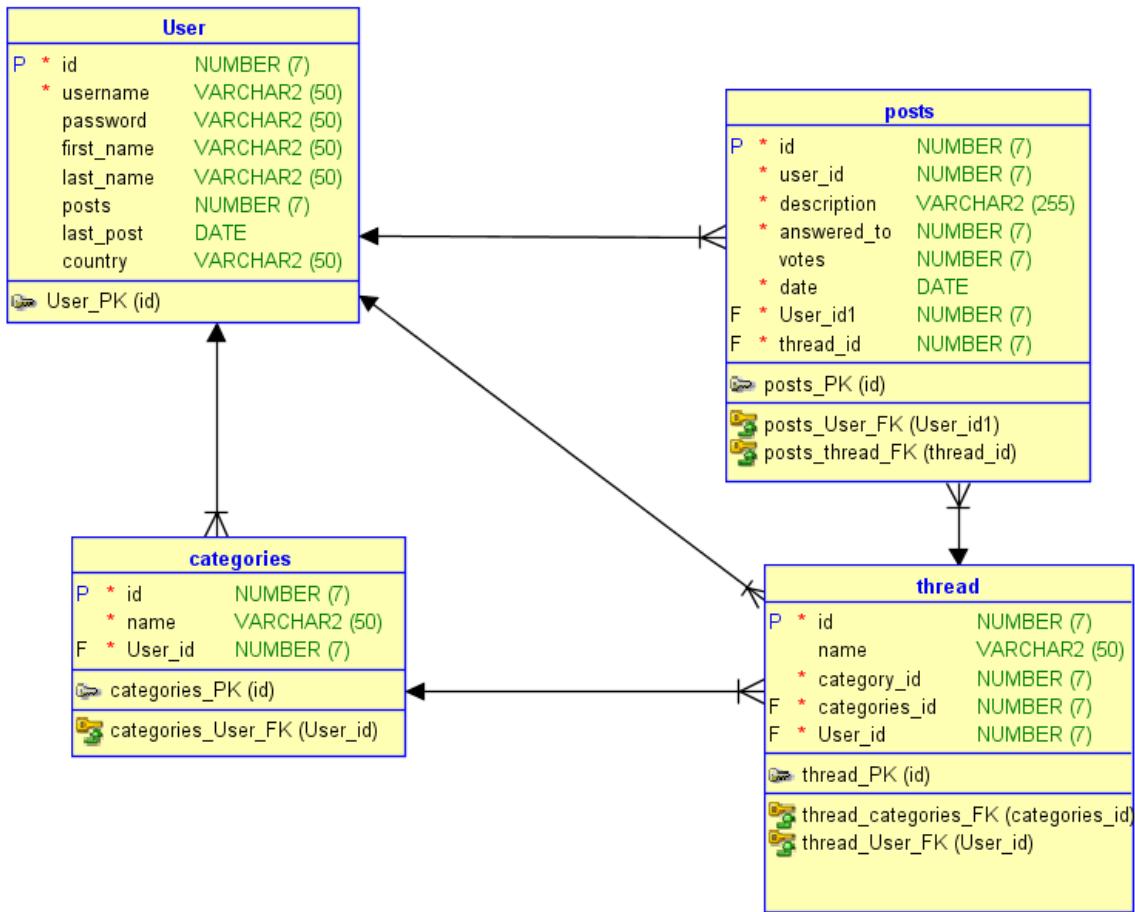
name: varchar 50

number: numeric

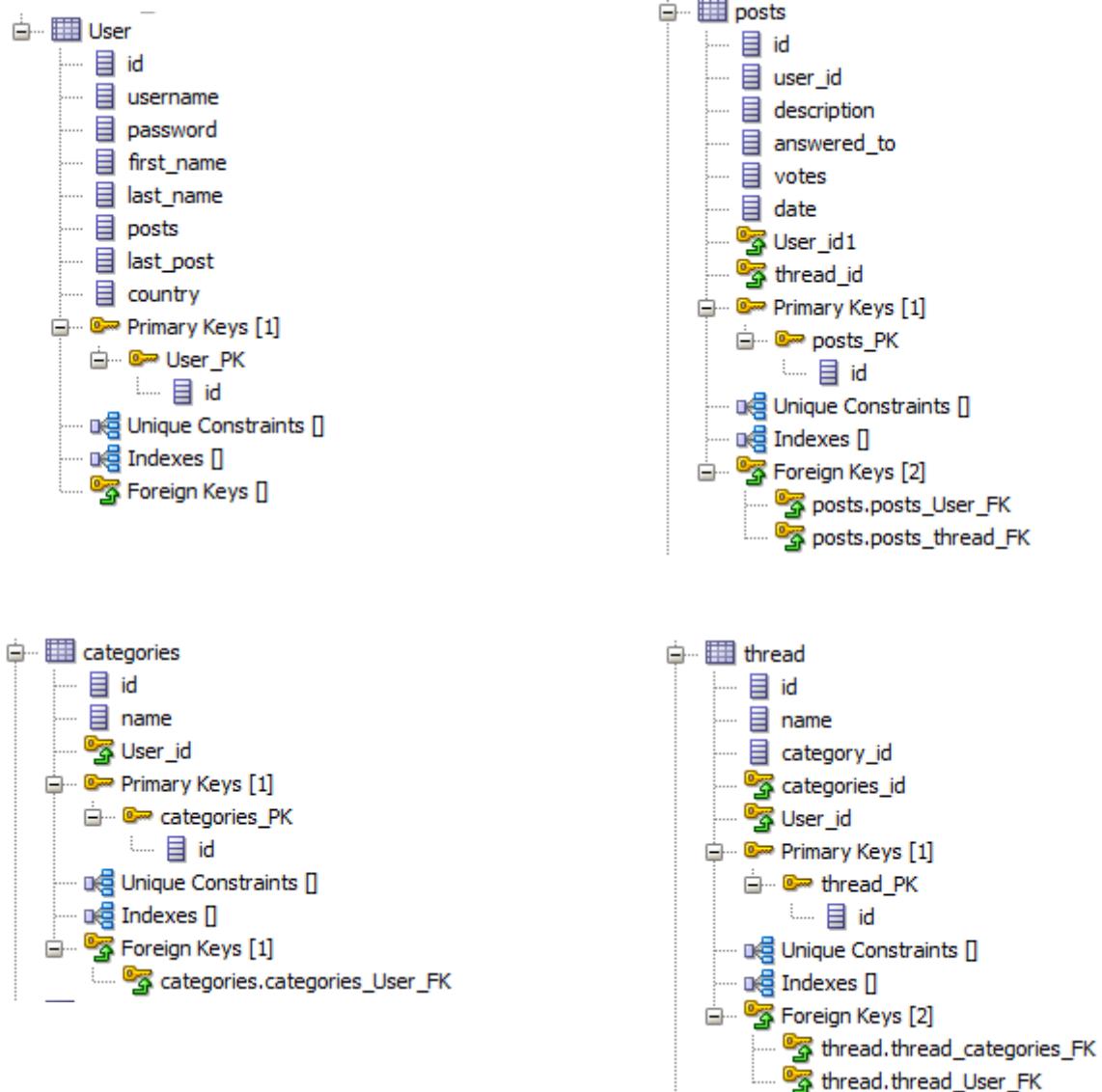
Tabele w bazie danych w modelu logicznym z utworzonymi związkami:



Tabele w bazie danych w modelu relacyjnym z utworzonymi związkami:



Model fizyczny:



Kod SQL:

```
-- Generated by Oracle SQL Developer Data Modeler 18.4.0.339.1536
-- at:      2019-05-22 00:29:14 CEST
-- site:    Oracle Database 11g
-- type:    Oracle Database 11g

CREATE TABLE Categories (
    Id          NUMBER(7) NOT NULL,
    Name        VARCHAR2(50) NOT NULL,
    User_Id    NUMBER(7) NOT NULL
)
LOGGING;

ALTER TABLE Categories ADD CONSTRAINT Categories_Pk PRIMARY KEY ( Id );

CREATE TABLE Posts (
    Id          NUMBER(7) NOT NULL,
    User_Id    NUMBER(7) NOT NULL,
    Description VARCHAR2(255) NOT NULL,
    Answered_To NUMBER(7) NOT NULL,
    Votes       NUMBER(7),
    "date"      DATE NOT NULL,
    User_Id1   NUMBER(7) NOT NULL,
    Thread_Id  NUMBER(7) NOT NULL
)
LOGGING;

ALTER TABLE Posts ADD CONSTRAINT Posts_Pk PRIMARY KEY ( Id );

CREATE TABLE Thread (
    Id          NUMBER(7) NOT NULL,
    Name        VARCHAR2(50),
    Category_Id NUMBER(7) NOT NULL,
    Categories_Id NUMBER(7) NOT NULL,
    User_Id    NUMBER(7) NOT NULL
)
LOGGING;

ALTER TABLE Thread ADD CONSTRAINT Thread_Pk PRIMARY KEY ( Id );
```

```
CREATE TABLE "User" (
    Id          NUMBER(7) NOT NULL,
    Username    VARCHAR2(50) NOT NULL,
    Password    VARCHAR2(50) NOT NULL,
    First_Name  VARCHAR2(50),
    Last_Name   VARCHAR2(50),
    Posts       NUMBER(7),
    Last_Post   DATE,
    Country     VARCHAR2(50)
)
LOGGING;

ALTER TABLE "User" ADD CONSTRAINT User_Pk PRIMARY KEY ( Id );

ALTER TABLE Categories
    ADD CONSTRAINT Categories_User_Fk FOREIGN KEY ( User_Id )
        REFERENCES "User" ( Id )
    NOT DEFERRABLE;

ALTER TABLE Posts
    ADD CONSTRAINT Posts_Thread_Fk FOREIGN KEY ( Thread_Id )
        REFERENCES Thread ( Id )
    NOT DEFERRABLE;

ALTER TABLE Posts
    ADD CONSTRAINT Posts_User_Fk FOREIGN KEY ( User_Id1 )
        REFERENCES "User" ( Id )
    NOT DEFERRABLE;

ALTER TABLE Thread
    ADD CONSTRAINT Thread_Categories_Fk FOREIGN KEY ( Categories_Id )
        REFERENCES Categories ( Id )
    NOT DEFERRABLE;

ALTER TABLE Thread
    ADD CONSTRAINT Thread_User_Fk FOREIGN KEY ( User_Id )
        REFERENCES "User" ( Id )
    NOT DEFERRABLE;
```