Bazy Danych Projekt

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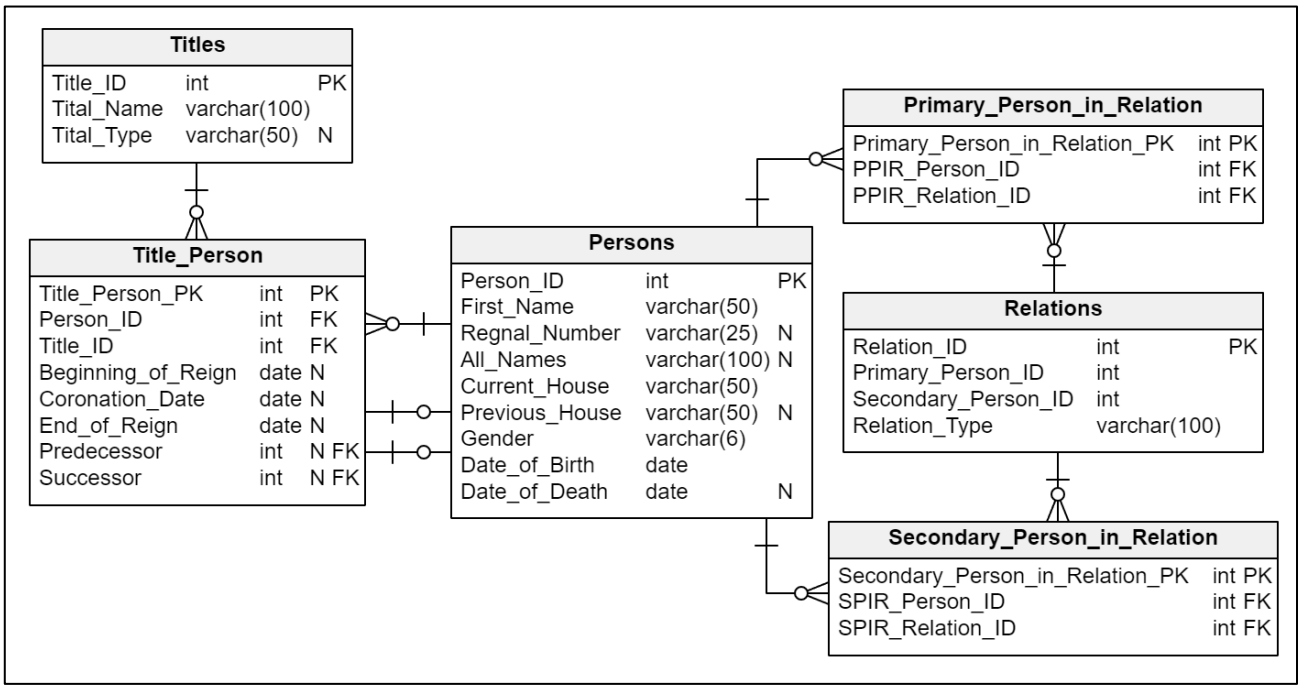
Diagram bazy danych:



Opis tabel bazy danych:

Tabela ‘Persons’:

Zawiera personalne dane każdego członka rodziny Windsorów:

Person_ID (typ całkowiy) – unikalny identyfikator osoby

First_Name (łańcuch 50 znaków) – imię, którym posługuję się członek rodziny

Regnal_Number (łańcuch 25 znaków) – porządkowy numer monarchy o tym samym imieniu, co jeden z jego poprzedników

All_Names (łańcuch 100 znaków) – wszystkie imiona, które nadano członkowi rodziny

Current_House (łańcuch 50 znaków) – obecny ród, najczęściej Windsor

Previous_House (łańcuch 50 znaków) – poprzedni ród (najczęściej pusty, ma znaczenie jedynie w przypadku małżonków monarchów)

Gender (łańcuch 6 znaków) – płeć członka rodziny

Date_of_Birth (date) – data narodzin

Date_of_Death (date) – data śmierci

Tabela 'Priamry_Person_in_Relation':

Tabela pomocnicza umożliwiająca połączenie tabel 'Persons' i 'Relations'

Tabela 'Secondary_Person_in_Relation':

Tabela pomocnicza umożliwiająca połączenie tabel 'Persons' i 'Relations'

Tabela Relations:

Tabela zawiera wszystkie relacje między wszystkimi członkami rodziny Widsorów:

Relation_ID (typ czałkowiy) – unikalny identyfikator relacji

Primary_Person_ID (typ czałkowiy) – identyfiaktor osoby, której relcję opisujemy

Secondary_Person_ID (typ czałkowiy) – identyfiaktor osoby z którą relację opisujemy

Relation_Type (łańcuch 100 znaków) – nazwa relacji

Tabela 'Title':

Niewielka tabela zawierająca nazy o tytów, które posiadają członkowie rodziny królewskiej

Title_ID (typ całkowiy) - unikalny identyfikator tytułu

Title_Name (łańcuch 100 znaków) – pełna nazwa tytułu

Title_Type (łańcuch 50 znaków) – rodzaj tytułu (tytuły mogą być np. tylko honorowe)

Tabela 'Title_Person':

Tabela ta przypisuje odpowiednim osobom tytuły, jak również daje informacje na ich temat

Title_Person_PK (typ całkowiy) – inwidualny identyfikator połączenia osoby z tytułem

Person_ID (typ całkowiy) – unikalny identyfikator osoby, która posiada lub posiadała tytuł

Title_ID (typ całkowiy) - unikalny identyfikator tytułu

Beginning_of_Reign (date) – dzień, w którym osoba otrzymała tytuł

Coronation_Date (date) – dzień, w którym osoba została oficjalnie ukronowana

End_of_Reign (date) – dzień, w którym osoba utraciła tytuł

Predecessor (typ całkowiy) – identyfikator poprzednika

Successor (typ całkowiy) – identyfikator dziedzica

SQL:

Funkcja CREATE tworzy wszystkie niezbędne tabele:

```sql
CREATE SCHEMA `royal_family_tree` ;
USE royal_family_tree;

-- Table: Persons
CREATE TABLE Persons (
    Person_ID int  NOT NULL AUTO_INCREMENT,
    First_Name varchar(50)  NOT NULL,
    Regnal_Number varchar(25) NULL,
    All_Names varchar(100) NULL,
    Current_House varchar(50)  NOT NULL,
    Previous_House varchar(50) NULL,
    Gender varchar(6) NOT NULL,
    Date_of_Birth date NOT NULL,
    Date_of_Death date  NULL,
    CONSTRAINT Persons_pk PRIMARY KEY (Person_ID),
    UNIQUE(Person_ID)
);

-- Table: Relations
CREATE TABLE Relations (
    Relation_ID int  NOT NULL AUTO_INCREMENT,
    Primary_Person_ID int  NOT NULL,
    Secondary_Person_ID int  NOT NULL,
    Relation_Type varchar(100)  NOT NULL,
    CONSTRAINT Relations_pk PRIMARY KEY (Relation_ID),
    UNIQUE(Relation_ID)
);

-- Table: Primary_Person_in_Relation
CREATE TABLE Primary_Person_in_Relation (
    Primary_Person_in_Relation_PK int  NOT NULL AUTO_INCREMENT,
    PPIR_Person_ID int  NOT NULL,
    PPIR_Relation_ID int  NOT NULL,
    CONSTRAINT Primary_Person_in_Relation_pk PRIMARY KEY (Primary_Person_in_Relation_PK),
    UNIQUE(Primary_Person_in_Relation_PK)
);

```

```sql
-- Table: Secondary_Person_in_Relation
CREATE TABLE Secondary_Person_in_Relation (
    Secondary_Person_in_Relation_PK int  NOT NULL AUTO_INCREMENT,
    SPIR_Person_ID int  NOT NULL,
    SPIR_Relation_ID int  NOT NULL,
    CONSTRAINT Secondary_Person_in_Relation_pk PRIMARY KEY (Secondary_Person_in_Relation_PK),
    UNIQUE(Secondary_Person_in_Relation_PK)
);

-- Table: Title_Person
CREATE TABLE Title_Person (
    Title_Person_PK int  NOT NULL AUTO_INCREMENT,
    Person_ID int  NOT NULL,
    Title_ID int  NOT NULL,
    Beginning_of_Reign date  NULL,
    Coronation_Date date  NULL,
    End_of_Reign date  NULL,
    Predecessor int  NULL,
    Successor int  NULL,
    CONSTRAINT Title_Person_pk PRIMARY KEY (Title_Person_PK),
    UNIQUE(Title_Person_PK)
);

-- Table: Titles
CREATE TABLE Titles (
    Title_ID int  NOT NULL AUTO_INCREMENT,
    Tital_Name varchar(100)  NOT NULL,
    Tital_Type varchar(50),
    CONSTRAINT Titles_pk PRIMARY KEY (Title_ID),
    UNIQUE(Title_ID)
);

-- Foreign keys
-- Reference: Predecessor (table: Title_Person)
ALTER TABLE Title_Person ADD CONSTRAINT Predecessor
    FOREIGN KEY (Predecessor)
    REFERENCES Persons (Person_ID)
;

```

```
77      -- Reference: Successor (table: Title_Person)
78      ALTER TABLE Title_Person ADD CONSTRAINT Successor
79          FOREIGN KEY (Successor)
80          REFERENCES Persons (Person_ID)
81      ;
82
83      -- Reference: Primary_Person_in_Relation_and_Persons (table: Primary_Person_in_Relation)
84      ALTER TABLE Primary_Person_in_Relation ADD CONSTRAINT Primary_Person_in_Relation_and_Persons
85          FOREIGN KEY (PPIR_Person_ID)
86          REFERENCES Persons (Person_ID)
87      ;
88
89      -- Reference: Primary_Person_in_Relation_and_Relations (table: Primary_Person_in_Relation)
90      ALTER TABLE Primary_Person_in_Relation ADD CONSTRAINT Primary_Person_in_Relation_and_Relations
91          FOREIGN KEY (PPIR_Relation_ID)
92          REFERENCES Relations (Relation_ID)
93      ;
94
95      -- Reference: Secondary_Person_in_Relation_and_Persons (table: Secondary_Person_in_Relation)
96      ALTER TABLE Secondary_Person_in_Relation ADD CONSTRAINT Secondary_Person_in_Relation_and_Persons
97          FOREIGN KEY (SPIR_Person_ID)
98          REFERENCES Persons (Person_ID)
99      ;
100
101     -- Reference: Secondary_Person_in_Relation_and_Relations (table: Secondary_Person_in_Relation)
102     ALTER TABLE Secondary_Person_in_Relation ADD CONSTRAINT Secondary_Person_in_Relation_and_Relations
103         FOREIGN KEY (SPIR_Relation_ID)
104         REFERENCES Relations (Relation_ID)
105     ;
106
107     -- Reference: Title_Person_and_Persons (table: Title_Person)
108     ALTER TABLE Title_Person ADD CONSTRAINT Title_Person_and_Persons
109         FOREIGN KEY (Person_ID)
110         REFERENCES Persons (Person_ID)
111     ;
112
113     -- Reference: Title_Person_and_Titles (table: Title_Person)
114     ALTER TABLE Title_Person ADD CONSTRAINT Title_Person_and_Titles
115         FOREIGN KEY (Title_ID)
116         REFERENCES Titles (Title_ID)
117     ;
```

Funkcje wypełniające tabele (funkcja INSERT):

Jako przykład podaję funkcje wypełniające tablice ‘Persons’, ‘Title’, ‘Title_Person’ oraz fragment ‘Relations’, ponieważ tabela ta jest on za długa, abym mógł ją przedstawić w prosty sposób.

Wypełnianie tablicy ‘Persons’:

```
INSERT INTO persons VALUES (DEFAULT, 'George', 'V' , 'George Frederick Ernest Albert', 'Windsor' , 'Saxe-Coburg and Gotha' , 'Male', '1865-06-03' , '1936-01-20');
INSERT INTO persons VALUES (DEFAULT, 'Mary', NULL , 'Victoria Mary Augusta Louise Olga Pauline Claudine Agnes', 'Teck' , NULL , 'Female', '1867-05-26' , '1953-03-24');
INSERT INTO persons VALUES (DEFAULT, 'Edward', 'VIII' , 'Edward Albert Christian George Andrew Patrick David', 'Windsor' , 'Saxe-Coburg and Gotha' , 'Male', '1894-06-23' , '1972-03-28');
INSERT INTO persons VALUES (DEFAULT, 'George', 'VI' , 'Albert Frederick Arthur George', 'Windsor' , 'Saxe-Coburg and Gotha' , 'Male', '1895-12-14' , '1952-02-06');
INSERT INTO persons VALUES (DEFAULT, 'Elizabeth', 'I' , 'Elizabeth Angela Marguerite Bowes-Lyon', 'Windsor' , 'Bowes-Lyon' , 'Female', '1900-08-04' , '2002-03-30');
INSERT INTO persons VALUES (DEFAULT, 'Mary', NULL , 'Victoria Alexandra Alice Mary', 'Windsor' , 'Saxe-Coburg and Gotha' , 'Female', '1897-04-25' , '1965-03-28');
INSERT INTO persons VALUES (DEFAULT, 'Henry', NULL , 'Henry William Frederick Albert', 'Windsor' , 'Saxe-Coburg and Gotha' , 'Male', '1900-03-31' , '1974-06-10');
INSERT INTO persons VALUES (DEFAULT, 'Alice', NULL , 'Alice Christabel', 'Montagu Douglas Scott' , NULL , 'Female', '1901-12-25' , '2004-10-29');
INSERT INTO persons VALUES (DEFAULT, 'George', NULL , 'George Edward Alexander Edmund', 'Windsor' , 'Saxe-Coburg and Gotha' , 'Male', '1902-12-20' , '1942-08-25');
INSERT INTO persons VALUES (DEFAULT, 'Marina', NULL , 'Marina', 'Glücksburg' , NULL , 'Female', '1906-12-13' , '1968-08-30');
INSERT INTO persons VALUES (DEFAULT, 'John', NULL , 'John Charles Francis', 'Windsor' , NULL , 'Male', '1905-07-12' , '1919-01-18');
INSERT INTO persons VALUES (DEFAULT, 'Elizabeth', 'II' , 'Elizabeth Alexandra Mary', 'Windsor' , NULL , 'Female', '1926-04-21' , '2022-09-08');
INSERT INTO persons VALUES (DEFAULT, 'Philip', NULL , 'Philip', 'Mountbatten' , 'Glücksburg' , 'Male', '1921-06-10' , '2021-04-09');
INSERT INTO persons VALUES (DEFAULT, 'Margaret', NULL , 'Margaret Rose', 'Windsor' , NULL , 'Female', '1930-08-21' , '2002-02-09');
INSERT INTO persons VALUES (DEFAULT, 'William', NULL , 'William Henry Andrew Frederick', 'Windsor' , NULL , 'Male', '1941-12-18' , '1972-08-28');
INSERT INTO persons VALUES (DEFAULT, 'Richard', NULL , 'Richard Alexander Walter George', 'Windsor' , NULL , 'Male', '1944-08-26' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Birgitte', NULL , 'Birgitte Eva', 'Windsor' , NULL , 'Female', '1946-06-20' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Edward', NULL , 'Edward George Nicholas Paul Patrick', 'Windsor' , NULL , 'Male', '1935-10-09' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Katharine', NULL , 'Katharine Lucy Mary', 'Windsor' , NULL , 'Female', '1933-02-22' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Alexandra', NULL , 'Alexandra Helen Elizabeth Olga Christabel', 'Windsor' , NULL , 'Female', '1936-12-25' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Michael', NULL , 'Michael George Charles Franklin', 'Windsor' , NULL , 'Male', '1942-07-04' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Michael', NULL , 'Marie-Christine Anna Agnes Hedwig Ida', 'Windsor' , 'Reibnitz' , 'Female', '1945-01-15' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Charles', 'III' , 'Charles Philip Arthur George', 'Windsor' , NULL , 'Male', '1948-11-14' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Diana', NULL , 'Diana Frances', 'Windsor' , 'Spencer' , 'Female', '1961-07-01' , '1997-08-31');
INSERT INTO persons VALUES (DEFAULT, 'Camilla', NULL , 'Camilla Rosemary', 'Windsor' , NULL , 'Female', '1947-07-17' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Anne', NULL , 'Anne Elizabeth Alice Louise', 'Windsor' , NULL , 'Female', '1950-08-15' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Andrew', NULL , 'Andrew Albert Christian Edward', 'Windsor' , NULL , 'Male', '1960-02-19' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Sarah', NULL , 'Sarah Margaret', 'Windsor' , NULL , 'Female', '1959-10-15' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Edward', NULL , 'Edward Antony Richard Louis', 'Windsor' , NULL , 'Male', '1964-03-10' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Sophie', NULL , ' Sophie Helen', 'Windsor' , NULL , 'Female', '1965-01-20' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'William', NULL , 'William Arthur Philip Louis', 'Windsor' , NULL , 'Male', '1982-06-21' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Catherine', NULL , 'Catherine Elizabeth', 'Middleton' , NULL , 'Female', '1982-01-09' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Harry', NULL , 'Henry Charles Albert David', 'Windsor' , NULL , 'Male', '1984-09-15' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Meghan', NULL , 'Rachel Meghan', 'Windsor' , NULL , 'Female', '1981-08-04' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Beatrice', NULL , 'Beatrice Elizabeth Mary', 'Windsor' , NULL , 'Female', '1988-08-08' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Eugenie', NULL , 'Eugenie Victoria Helena', 'Windsor' , NULL , 'Female', '1990-03-23' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Louise ', NULL , 'Louise Alice Elizabeth Mary', 'Windsor' , NULL , 'Female', '2003-11-08' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'James', NULL , 'James Alexander Philip Theo', 'Windsor' , NULL , 'Male', '2007-12-17' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'George', NULL , 'George Alexander Louis', 'Windsor' , NULL , 'Male', '2013-07-22' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Charlotte', NULL , 'Charlotte Elizabeth Diana', 'Windsor' , NULL , 'Female', '2015-05-02' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Louis', NULL , 'Louis Arthur Charles', 'Windsor' , NULL , 'Male', '2018-04-23' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Archie', NULL , 'Archie Harrison', 'Windsor' , NULL , 'Male', '2019-03-06' , NULL);
INSERT INTO persons VALUES (DEFAULT, 'Lilibet', NULL , 'Lilibet Diana', 'Windsor' , NULL , 'Female', '2021-06-04' , NULL);
```

Aktywuj system
Przejdź do ustawień,

Wypełnianie tablicy ‘Relations’ (fragmęt):

```
1     -- George --
2
3     -- 1 George-Mary
4     INSERT INTO relations VALUES(1, 1, 2, 'Husband');
5     INSERT INTO primary_person_in_relation VALUES(DEFAULT, 1, 1);
6     INSERT INTO secondary_person_in_relation VALUES(DEFAULT, 2, 1);
7     -- 2 Mary-George
8     INSERT INTO relations VALUES(DEFAULT, 2, 1, 'Wife');
9     INSERT INTO primary_person_in_relation VALUES(DEFAULT, 2, 2);
10    INSERT INTO secondary_person_in_relation VALUES(DEFAULT, 1, 2);
11
12    -- 3 George-Edward
13    INSERT INTO relations VALUES(DEFAULT, 1, 3, 'Father');
14    INSERT INTO primary_person_in_relation VALUES(DEFAULT, 1, 3);
15    INSERT INTO secondary_person_in_relation VALUES(DEFAULT, 3, 3);
16    -- 4 Edward-George
17    INSERT INTO relations VALUES(DEFAULT, 3, 1, 'Son');
18    INSERT INTO primary_person_in_relation VALUES(DEFAULT, 3, 4);
19    INSERT INTO secondary_person_in_relation VALUES(DEFAULT, 1, 4);
20
21    -- 5 George-George
22    INSERT INTO relations VALUES(DEFAULT, 1, 4, 'Father');
23    INSERT INTO primary_person_in_relation VALUES(DEFAULT, 1, 5);
24    INSERT INTO secondary_person_in_relation VALUES(DEFAULT, 4, 5);
25    -- 6 George-George
26    INSERT INTO relations VALUES(DEFAULT, 4, 1, 'Son');
27    INSERT INTO primary_person_in_relation VALUES(DEFAULT, 4, 6);
28    INSERT INTO secondary_person_in_relation VALUES(DEFAULT, 1, 6);
29
30    -- 7 George-Elizabeth
31    INSERT INTO relations VALUES(DEFAULT, 1, 5, 'Father-in-Law');
32    INSERT INTO primary_person_in_relation VALUES(DEFAULT, 1, 7);
33    INSERT INTO secondary_person_in_relation VALUES(DEFAULT,5 , 7);
34    -- 8 Elizabeth-George
35    INSERT INTO relations VALUES(DEFAULT, 5, 1, 'Daughter-in-Law');
36    INSERT INTO primary_person_in_relation VALUES(DEFAULT, 5, 8);
37    INSERT INTO secondary_person_in_relation VALUES(DEFAULT, 1, 8);
38
39    -- 9 George-Mary
40    INSERT INTO relations VALUES(DEFAULT, 1, 6, 'Father');
41    INSERT INTO primary_person_in_relation VALUES(DEFAULT, 1, 9);
```

Wypełnianie tablicy ‘Title’:

```
INSERT INTO titles VALUES (1, 'King of the United Kingdom and other Commonwealth realms', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Queen of the United Kingdom and other Commonwealth realms', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Consort of the United Kingdom and other Commonwealth realms', 'Substantive');

INSERT INTO titles VALUES (DEFAULT, 'Emiperor of India', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Empress of India', 'Substantive');

INSERT INTO titles VALUES (DEFAULT, 'Prince of Wales', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Princess of Wales', 'Substantive');

INSERT INTO titles VALUES (DEFAULT, 'Duke of Sussex', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Duchess of Sussex', 'Substantive');

INSERT INTO titles VALUES (DEFAULT, 'Duke of Gloucester', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Duchess of Gloucester', 'Substantive');

INSERT INTO titles VALUES (DEFAULT, 'Duke of Kent', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Duchess of Kent ', 'Substantive');

INSERT INTO titles VALUES (DEFAULT, 'Duke of York', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Duchess of York ', 'Substantive');

INSERT INTO titles VALUES (DEFAULT, 'Earl of Wessex', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Countess of Wessex ', 'Substantive');

INSERT INTO titles VALUES (DEFAULT, 'Earl of Forfar', 'Substantive');
INSERT INTO titles VALUES (DEFAULT, 'Countess of Forfar ', 'Substantive');

INSERT INTO titles VALUES (DEFAULT, 'Princess Royal', 'Honorary');
```

Wypełnianie tablicy ‘Title_Person’:

```sql
-- Kingdom of England
INSERT INTO title_person VALUES (1, 1, 1,'1910-05-06','1911-06-22','1936-01-20', NULL, 3);
INSERT INTO title_person VALUES (DEFAULT, 3, 1,'1936-01-20', NULL,'1936-12-11', 1, 4);
INSERT INTO title_person VALUES (DEFAULT, 4, 1,'1936-12-11','1937-05-12','1952-02-06', 3, 12);
INSERT INTO title_person VALUES (DEFAULT, 12, 2,'1952-02-06','1953-06-02','2022-09-08', 12, 23);
INSERT INTO title_person VALUES (DEFAULT, 23, 1,'2022-09-08', NULL, NULL, 23, NULL);

-- Empire of India
INSERT INTO title_person VALUES (DEFAULT, 1, 4,'1910-05-06','1911-06-22','1936-01-20', NULL, 3);
INSERT INTO title_person VALUES (DEFAULT, 3, 4,'1936-01-20', NULL,'1936-12-11', 1, 4);
INSERT INTO title_person VALUES (DEFAULT, 4, 4,'1936-12-11','1937-05-12','1947-08-15', 3, NULL);

-- Prince of Wales
INSERT INTO title_person VALUES (DEFAULT, 1, 6,'1901-11-09', NULL,'1910-05-06', NULL, 3);
INSERT INTO title_person VALUES (DEFAULT, 3, 6,'1910-06-23', NULL,'1936-01-20', 1, 23);
INSERT INTO title_person VALUES (DEFAULT, 23, 6,'1958-07-26', NULL,'2022-09-08', 3, 31);
INSERT INTO title_person VALUES (DEFAULT, 31, 6,'2022-09-09', NULL, NULL, 23, NULL);

-- Duke of Sussex
INSERT INTO title_person VALUES (DEFAULT, 33, 8,'2018-05-3','2018-05-19', NULL, NULL, NULL);

-- Duke of Gloucester
INSERT INTO title_person VALUES (DEFAULT, 7, 10,'1928-03-31','1928-03-31','1974-06-10', NULL, 16);
INSERT INTO title_person VALUES (DEFAULT, 16, 10,'1974-06-10','1974-06-10', NULL,7, NULL);

-- Duke of Kent
INSERT INTO title_person VALUES (DEFAULT, 9, 12,'1934-10-09','1934-10-09','1942-08-25', NULL, 18);
INSERT INTO title_person VALUES (DEFAULT, 18, 12,'1942-08-25','1942-08-25', NULL, 9, NULL);

-- Duke of York
INSERT INTO title_person VALUES (DEFAULT, 1, 14,'1892-05-24','1892-05-24','1910-05-06', NULL, NULL);
INSERT INTO title_person VALUES (DEFAULT, 4, 14,'1920-06-04','1920-06-04','1936-12-11', NULL, NULL);
INSERT INTO title_person VALUES (DEFAULT, 27, 14,'1986-07-23','1986-07-23', NULL, NULL, NULL);

-- Earl of Wessex
INSERT INTO title_person VALUES (DEFAULT, 29, 16,'1999-06-19','1999-06-19', NULL, NULL, NULL);

-- Earl of Forfar
INSERT INTO title_person VALUES (DEFAULT, 29, 18,'2019-03-10','2019-03-10', NULL, NULL, NULL);

-- Princess Royal
INSERT INTO title_person VALUES (DEFAULT, 26, 20,'1987-06-13', NULL, NULL, NULL, NULL);
```

Przykładowy SELECT:

```sql
USE royal_family_tree;
SELECT
    p.First_Name,
    p.Regnal_Number,
    t.Title_Name,
    tp.Beginning_of_Reign,
    tp.End_of_Reign

FROM persons p
JOIN title_person tp
    ON p.Person_ID = tp.Person_ID
JOIN titles t
    ON tp.Title_ID = t.Title_ID
WHERE tp.Title_ID >= 1 AND tp.Title_ID <= 7
ORDER BY First_Name, Regnal_Number
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

First_Name	Regnal_Number	Title_Name	Beginning_of_Reign	End_of_Reign
Charles	III	King of the United Kingdom and other Commonwealth realms	2022-09-08	NULL
Charles	III	Prince of Wales	1958-07-26	2022-09-08
Edward	VIII	King of the United Kingdom and other Commonwealth realms	1936-01-20	1936-12-11
Edward	VIII	Emiperor of India	1936-01-20	1936-12-11
Edward	VIII	Prince of Wales	1910-06-23	1936-01-20
Elizabeth	II	Queen of the United Kingdom and other Commonwealth re...	1952-02-06	2022-09-08
George	V	King of the United Kingdom and other Commonwealth realms	1910-05-06	1936-01-20
George	V	Emiperor of India	1910-05-06	1936-01-20
George	V	Prince of Wales	1901-11-09	1910-05-06
George	VI	King of the United Kingdom and other Commonwealth realms	1936-12-11	1952-02-06
George	VI	Emiperor of India	1936-12-11	1947-08-15
William	NULL	Prince of Wales	2022-09-09	NULL

Poszukujemy imienia, numeru porządkowego, nazwy tytułu, daty początków rządów oraz daty końca rządów wszystkich osób, które siadały tytuł króla lub królowej Anglii, cesarza lub cesarzowej Indii lub księcia lub księżnej Walii.