

### F3

**aerei** (**tipo**, numPosti, pesoMaxBag)

**compagnie** (**codComp**, denominazione, nazione, sede, telef)

**aeroporti** (**siglaIATA**, citta, nazione, numPiste)

**voli** (**codVolo**, **dataOraDecAtt**, inPartenza, dataOraArrPart, **codComp**, **siglaIATA**, **tipo**)

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```
CREATE DATABASE VMF_F3_Fiumicino;
USE VMF_F3_Fiumicino;
```

```
CREATE TABLE aerei (
    tipo          VARCHAR(15)          NOT NULL,
    numPosti     SMALLINT UNSIGNED,    -- da 0 a 65.535
    pesoMaxBag   TINYINT UNSIGNED,    -- da 0 a 255 (sono 245)
    PRIMARY KEY (tipo)
);
```

```
CREATE TABLE compagnie (
    codComp      CHAR(2)              NOT NULL,
    denominazione VARCHAR(30)        NOT NULL,
    nazione      VARCHAR(30)        NOT NULL,
    sede         VARCHAR(30),
    telef        VARCHAR(20),
    PRIMARY KEY (codComp)
);
```

```
CREATE TABLE aeroporti (
    siglaIATA    CHAR(3)              NOT NULL,
    citta        VARCHAR(30)          NOT NULL,
    nazione      VARCHAR(30)          NOT NULL,
    numPiste     TINYINT UNSIGNED,
    PRIMARY KEY (siglaIATA)
);
```

```
CREATE TABLE voli (
    codVolo      CHAR(10)             NOT NULL,
    dataOraDecAtt DATETIME            NOT NULL,
    inPartenza   CHAR(1)              NOT NULL,
    dataOraArrPart DATETIME,
    codComp      CHAR(2)              NOT NULL,
    siglaIATA    CHAR(3)              NOT NULL,
    tipo         VARCHAR(15),
    PRIMARY KEY (codVolo, dataOraDecAtt),
    FOREIGN KEY (codComp) REFERENCES compagnie (codComp),
    FOREIGN KEY (siglaIATA) REFERENCES aeroporti (siglaIATA),
    FOREIGN KEY (tipo) REFERENCES aerei (tipo)
);
```

```
INSERT INTO aerei VALUES
('Boeing 767-300', 250, 32),
('Airbus A380', 810, 25),
('Boeing 747', 416, 30),
('Airbus A319', 150, 22),
('MD-80', 120, 15);
```

```
INSERT INTO compagnie
(codComp , denominazione , nazione , sede)
VALUES
('AZ', 'Alitalia', 'Italia', 'Roma'),
('FR', 'Ryanair', 'Irlanda', 'Dublino'),
('AA', 'American Airlines', 'USA', 'Fort Worth'),
('UA', 'United Airlines', 'USA', 'Chicago'),
('IG', 'Air Italy', 'Italia', 'Olbia'), -- ex Meridiana
('SK', 'SAS', 'Svezia', 'Stoccolma'),
('DL', 'Delta Air Lines', 'USA', 'Atlanta');
```

```
INSERT INTO aeroporti VALUES
('PMO', 'Palermo - Punta Raisi', 'Italia', 2),
('CAG', 'Cagliari - Elmas', 'Italia', 1),
('ARN', 'Stoccolma - Arlanda', 'Svezia', 3),
('NYO', 'Stoccolma - Nynkoping', 'Svezia', 2),
('EWR', 'New York - Newark INTL', 'USA', 3),
('JFK', 'New York - J.F. Kennedy', 'USA', 4),
('BOS', 'Boston - Logan INTL', 'USA', 6);
```

```
INSERT INTO voli VALUES
('IG 9748', '2024-01-18 06:30:00', 'S', '2024-01-18 07:35:00', 'IG', 'PMO', 'MD-80'),
('SK 8951', '2024-01-18 07:50:00', 'S', '2024-01-18 11:00:00', 'SK', 'ARN', 'Airbus A319'),
('FR 1932', '2024-01-18 10:20:00', 'S', '2024-01-18 13:50:00', 'FR', 'NYO', 'Boeing 767-300'),
('UA 3298', '2024-01-18 10:50:00', 'S', '2024-01-18 20:50:00', 'UA', 'EWR', 'Boeing 747'),
('AA 236', '2024-01-18 23:00:00', 'S', '2024-01-19 09:55:00', 'AA', 'JFK', 'Boeing 747'),
('AZ 7614', '2024-01-18 07:00:00', 'N', '2024-01-17 22:00:00', 'AZ', 'JFK', 'Airbus A380'),
('DL 8121', '2024-01-18 08:10:00', 'N', '2024-01-17 23:05:00', 'DL', 'JFK', 'Boeing 747'),
('AZ 423', '2024-01-18 09:30:00', 'N', '2024-01-18 00:10:00', 'AZ', 'JFK', 'Boeing 747'),
('DL 8120', '2024-01-18 10:00:00', 'N', '2024-01-17 22:40:00', 'DL', 'BOS', 'Boeing 747'),
('AZ 1595', '2024-01-18 12:15:00', 'N', '2024-01-18 11:10:00', 'AZ', 'CAG', 'MD-80');
```