
Java Days
12. - 13. 11. 2024 Praha / ONLINE
Hybridní konference
pro Java vývojáře

SQL Curiosities:
Zvědavost kočku zabila
Zvedavosť zabila mačku

André Melancia | JavaDays 2024



JavaDays GOPAS





Session will start shortly . . .

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CZECH PASS CHAPTER



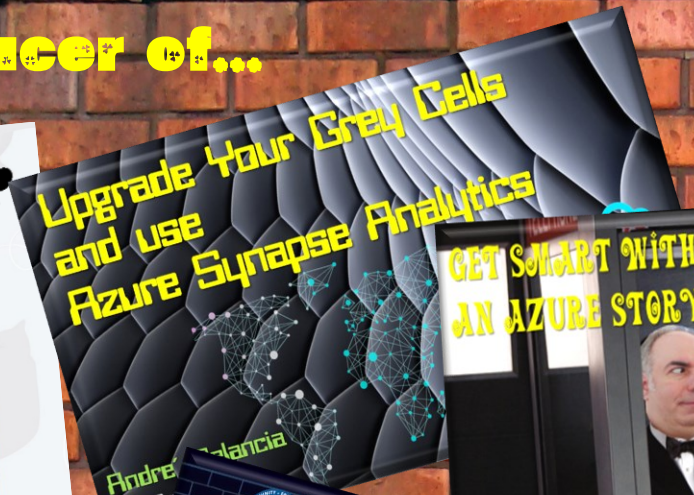
Somewhere in Prague,
in a SQL Saturday far, far away...
Count the cats!

A Lunar Cat production...

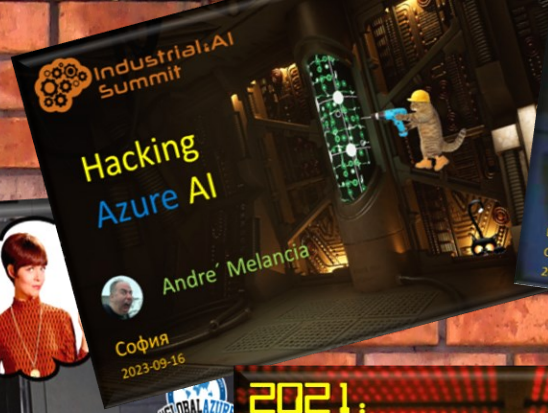


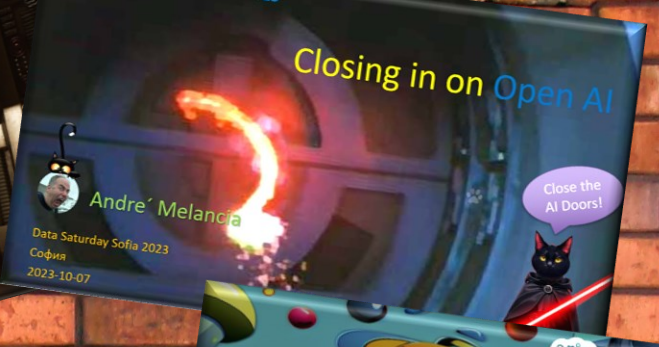
From the producer of...











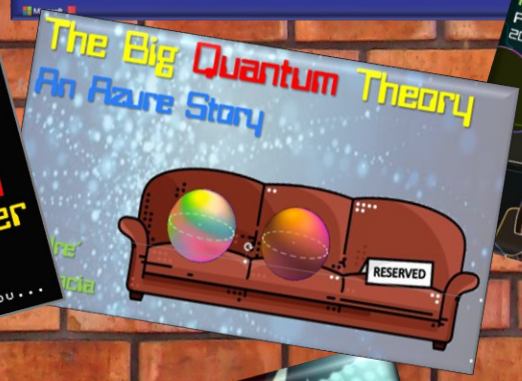
























SQL Curiosities

Zvědavost kočku zabila
Zvedavosť zabila mačku



André Melancia

Praha

2024-11-13

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Feline Curiosities

1. A Curiosidade Matou o Gato
2. Цікавість згубила кішку
3. Nysgerrighed Dræbte Katten
4. Curiosity Killed the Cat
5. Η περιέργεια σκότωσε τη γάτα
6. Zvědavost kočku zabila
7. La curiosidad mató al gatito
8. La curiosité a tué le chat
9. Zvedavosť zabila mačku





SQL Curiosity?



Disclaimer:

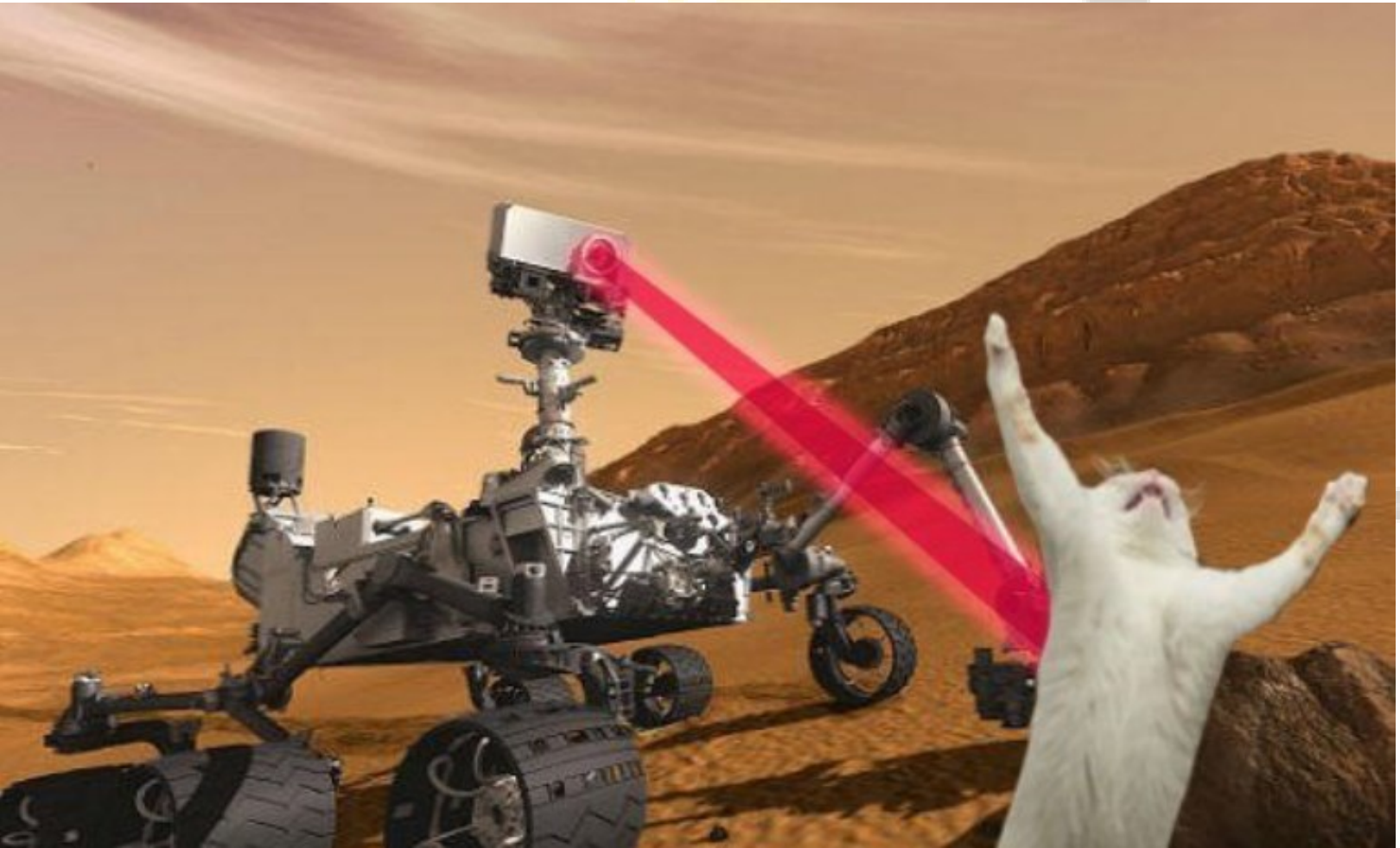
No feline was hurt in the making of this session.

Please do not report it to the RSPCA again…

Upozornění:
Při vytváření této přednášky nebyla zraněna žádná kočka ani kocour.
Prosím, nehlaste to Pražskému spolku ochránců zvířat…

Feline background check

Why this session? It's a copycat!
What can we do with this? Evil feline things!



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SQL basics...

```
SELECT * FROM Cats;                    -- some comment!
                                       /* also a comment */

SELECT Count(*) FROM Cats;             -- ; is important!

SELECT CatID, CatName FROM Cats; -- optimise query!

SELECT   d.DogID, d.DogName, d.FurColour
FROM     Dogs AS d                     -- d is an alias
WHERE    d.CatFriendly < > 0           -- filter
ORDER BY d.DogName;                    -- sorting

SELECT   d.FurColour, Count(*) As CountingCount
FROM     Dogs AS d                     -- d is an alias
GROUP BY d.FurColour;                  -- aggregator
```





SQL basics...

```
SELECT TOP 10 * FROM Cats;     -- T-SQL based

SELECT * FROM Cats LIMIT 10;   -- MySQL, MariaDB, Postgresql,
                                  SparkSQL, ...

SELECT * FROM Cats WHERE ROWNUM < 11;  -- Oracle WTF???

SELECT * FROM Cats FETCH FIRST 10 ROWS ONLY; -- IBM DB2, Standard



SELECT GetDate() ...      -- only T-SQL

SELECT CURRENT_TIMESTAMP ... Standard!
```

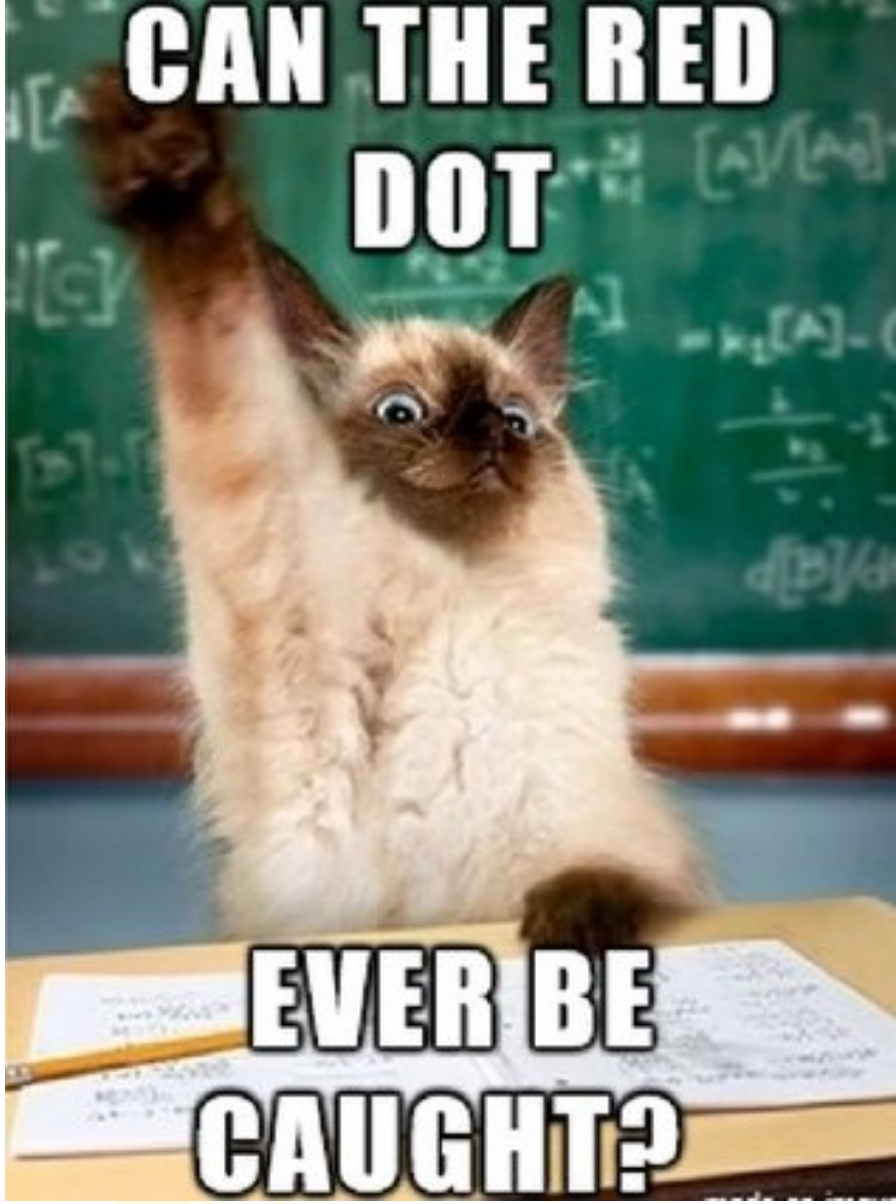
Setup...

Demos are using

- SQL Server 2022 Developer
  - Base install
  - DE only

- SQL Server Management Studio 19.1.56.0

But they worked in previous versions,
i.e. "Works in my computer"





SQL Curiosity Demos

ONLY TRY
THIS AT HOME!

ZKOUŠEJTE JEN
DOMA

VYSKÚŠAJTE IBA
DOMA



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Gorky Park, Kharkiv, Ukraine



GOPAS JavaDays

Lviv, Ukraine







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SQL Curiosity Demos

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DOMA

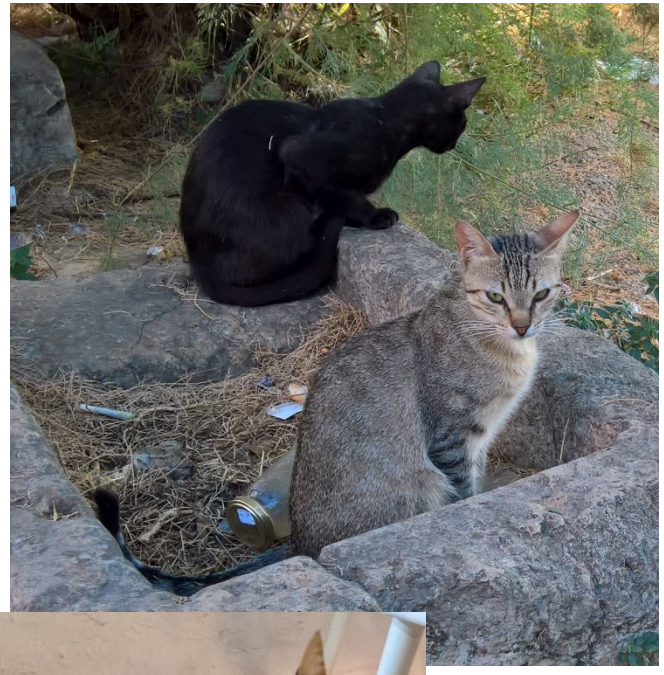


Greek cats - Ελληνικές γάτες

Rafina / Ραφήνα



Athens / Αθήνα



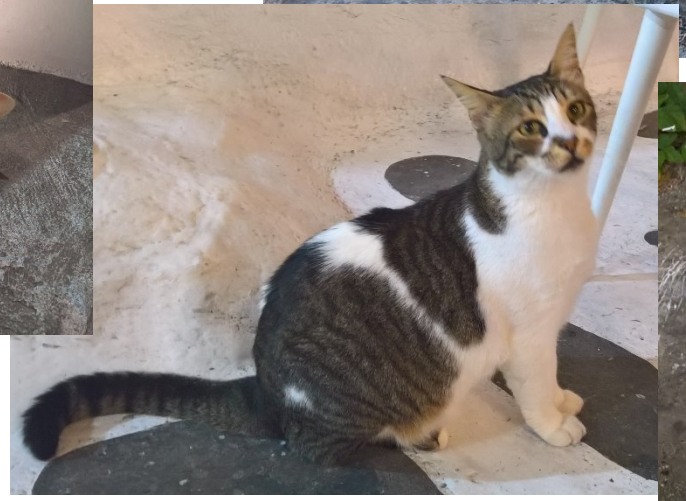
Andros / Άνδρος





Mykonos / Μύκονος







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Nesting issues...

```
SELECT  ...
FROM (SELECT  ...  ) AS x  ...      -- nested queries

SELECT x.f1
FROM
    (SELECT y.f1, ...
     FROM
         (SELECT z.f1, ...
          FROM table1 AS z
         ) AS y  ...
    ) AS x  ...
WHERE x.f2 IS NOT NULL          -- any filtering condition is fine

/* SQL Server will optimise and ignore NULLS, MySQL/MariaDB not!)
```



Collation issues...

Dô ÿoũ hávè accents in your name?



Receive-Questions -Input "Meowing"





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What do you purrrr to know? Meow now or forever be napping...



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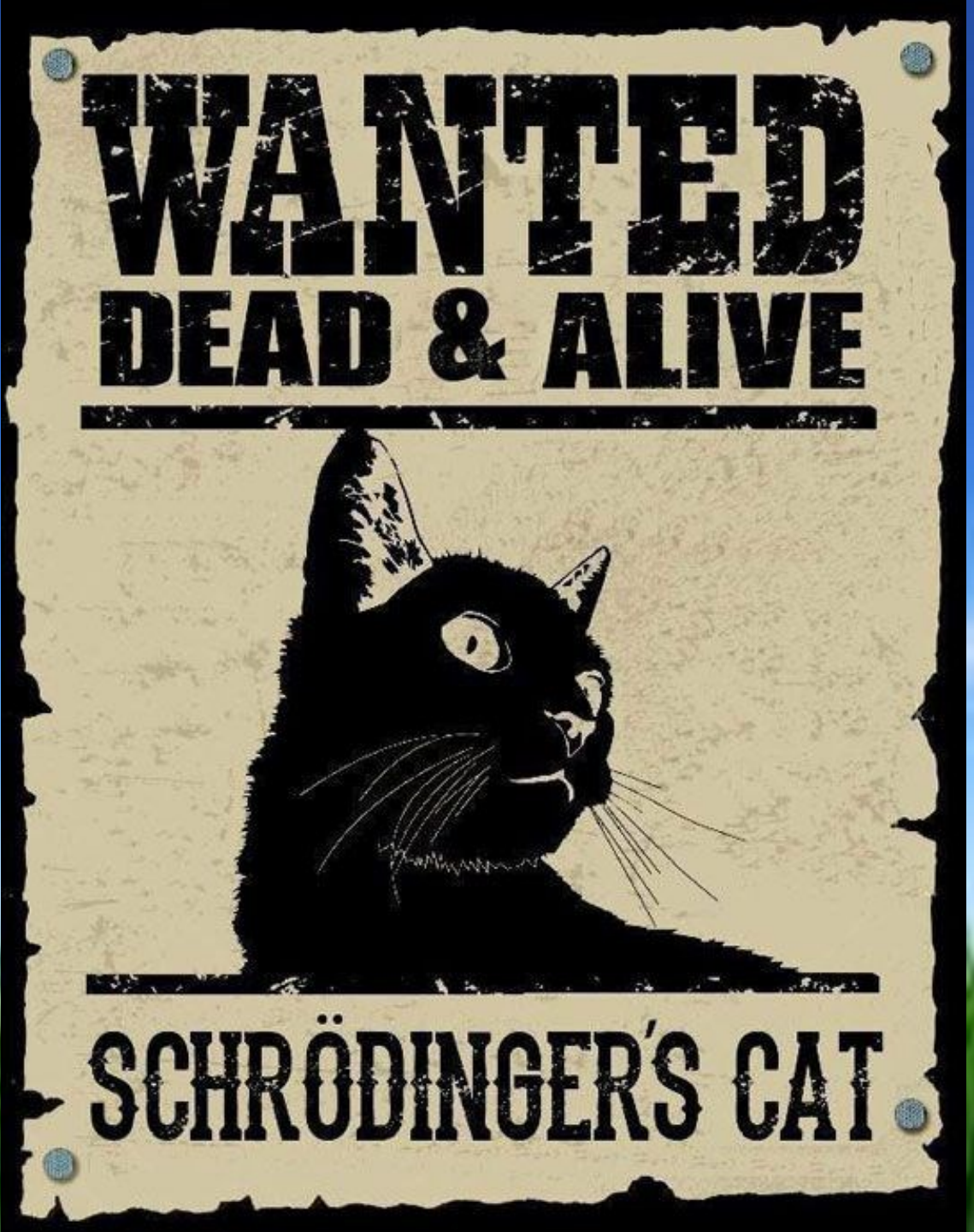
SQL Curiosity?



Please fill in the evaluation form using the QR code!



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Mockrát děkuji!
Ďakujem veľmi pekne!
شكرا
Thank you!
धन्यवाद्
ধন্যবাদ
Obrigado, pá!
Vielen Danke!
Hvala vam!
¡Muchas gracias!
Labai ačiū!
Go raibh maith agaibh!
ಧನ್ಯವಾದಗಳು
Благодаря!
Grazie mille!
Terima kasih!
Salamat po sa inyo!
ඔයාට ස්තුතියි
Дуже дякую!
Kiitos!
Merci beaucoup!
Grazia!
Asante sana!
آپکا شکریہ!
Tack så mycket!
Ευχαριστώ!
Mulțumesc!
Dziękuję Wam!
Mange tak!
Takk fyrir!
Dank u wel!
Takk!
Dank je!
Köszönöm!
Diolch!



André Melancia
http://Andy.PT
http://LunarCat.PT

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Děkuji vám za pozornost