What a Character

Unicode Regular Expressions - Concepts

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Case Insensitive Patterns

- Use case-insensitive Unicode matching
- Provide case-insensitive flag to regular expression
- Add Unicode flag as well

Case Insensitive Patterns in Java

Case Insensitive Patterns in C#

Case Insensitive Patterns in JavaScript

```
patternGreek = /σκύλος/iu
matches = patternGreek.test("ΣΚΎΛΟΣ");
```

Case Insensitive Patterns in Python

Simple Pattern for Digits

[0-9]

- Matches only ASCII digits
- Does not match digits in other languages

Better Pattern for Digits

\d+

- Intended to match digits in all languages
- Does not match digits in other languages in Java and JavaScript

Patterns for Unicode Numbers

 $p{Nd}$

- Matches on a Unicode Category
- In this example, matches the Decimal Number Category (Nd)
- Supported by most programming languages

Code Examples

Slides and all code examples are on GitHub https://github.com/sualeh/What-a-Character

