

Semantic Web Applications: Semantic Wikis

2 Semantic MediaWiki - Categories

2.4 Paste the wiki page source (markup) in the report.

<http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group1730/kkosobudzki>

My name is Krzysztof Kosobudzki. I am 23 years old.
Currently I study at AGH UST, faculty of applied informatics.
I belong to group Tuesday, 17:30. The other members of my group are:

[[Category:Student]]

2.6. Paste the wiki page source (markup) in the report.

<http://loki.ia.agh.edu.pl/smw/index.php/AGH-UST/Subjects/subjectKosbudzkiRosa>

[[Category:University subject]]

3 Semantic MediaWiki – Properties

3.1 Include the updated wikipedia source code (markup) in the report.

My name is [[name::Krzysztof Kosobudzki]]. I am [[age::23]] years old.
Currently I study at AGH UST, faculty of applied informatics.
I belong to group Tuesday, [[group::group1730]]. The other members of my group are:

[[Category:Student]]

3.2 Include the updated wikipedia source code (markup) in the report.

[[Category:University subject]]
* Lead by: [[lead by::mgr Bobek]]
* Room: [[room::C3 201]]
* Duration: [[duration::90]] min

4 Semantic MediaWiki - Inline queries

4.2 Put the query in the report.

```
{{#ask: [[Category:Student]] [[group::group1730]]  
| ?Name  
| format=ul  
}}
```

4.3 Put the query in the report.

```
{{#ask: [[Category:Student]] [[group::group1730]]  
| ?name  
| ?age  
| sort=age,name
```

```
| format=table
| default=brak
}}
```

6 Loki - Use Cases

6.2 Geographic Wiki

6.2.4 Copy the wiki pages sources and paste them into the report.

<http://loki.ia.agh.edu.pl/lokidev/cities:amsterdam>

Amsterdam is the capital of the [[capital of::located in::countries:netherlands|Netherlands]]. The city's status as the capital of the nation is governed by the constitution. Amsterdam is inhabited by [[inhabited by:=population:=4 289 835]] people. Amsterdam is the largest [[category:cities|city]] of [[located in::countries:netherlands|Netherlands]].

[[page created:=2012-06-10|]]

<http://loki.ia.agh.edu.pl/lokidev/countries:netherlands>

The Netherlands is a [[category:country]] situated in north-west [[placed_in::continents:europa|Europe]]. Its area is [[area:=41,543 km^2|41,543 km²]]. It is [[inhabited by:=population:=16 847 007|inhabited by 16 847 007 people]]. Its official language is [[language::languages:dutch]].

[[page created:=2012-06-10|]]

7 Loki - Semantic Web Standards

7.4 Put the query into the report.

<http://loki.ia.agh.edu.pl/lokidev/user:kkosobudzki>

3 kraje o najmniejszej powierzchni

```
<pl format="sparql">
```

```
PREFIX wiki: <>
```

```
SELECT ?city ?area
```

```
WHERE {
```

```
?city category "city".
```

```
?city wiki:area ?area.
```

```
}
```

```
ORDER BY ASC(?area)
```

```
LIMIT 3
```

```
</pl>
```

8 Loki – Reasoning

8.4 Put the goal in the report.

```
===My recommendations (Cities in the Netherlands)===
```

```
~~NOCACHE~~
```

```
<pl goal="wiki_category(X,'cities'),wiki_relation(X,'located in','countries:netherlands'), write(X), nl, fail." scope="cities" >
```

```
</pl>
```