




Freebase

Wikipedia w kodzie JavaScript



Freebase to:
baza danych
→ *wielodzielnicowa*
→ *grafowa*
→ + *społeczność*



freebase.com



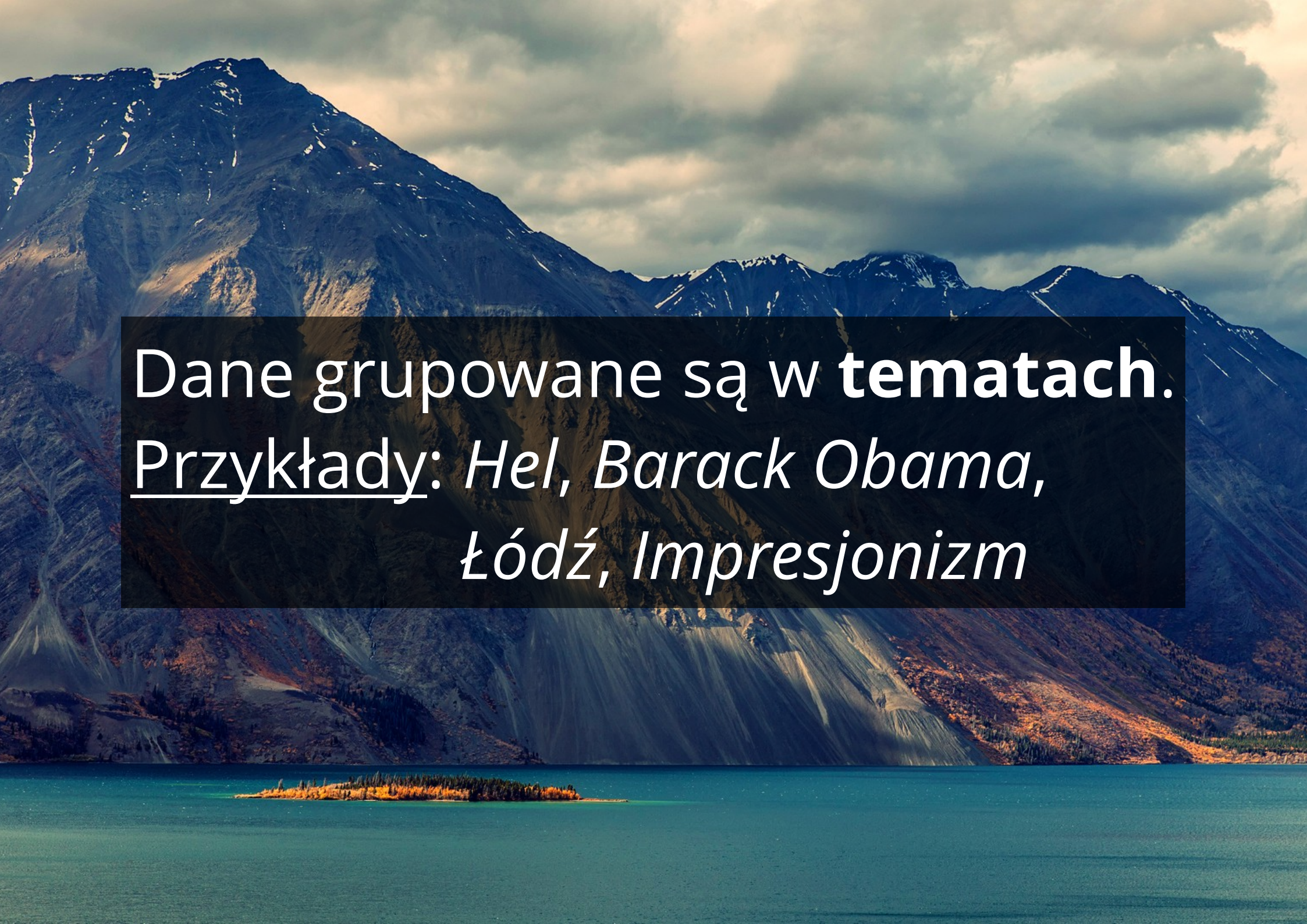
Featured Data



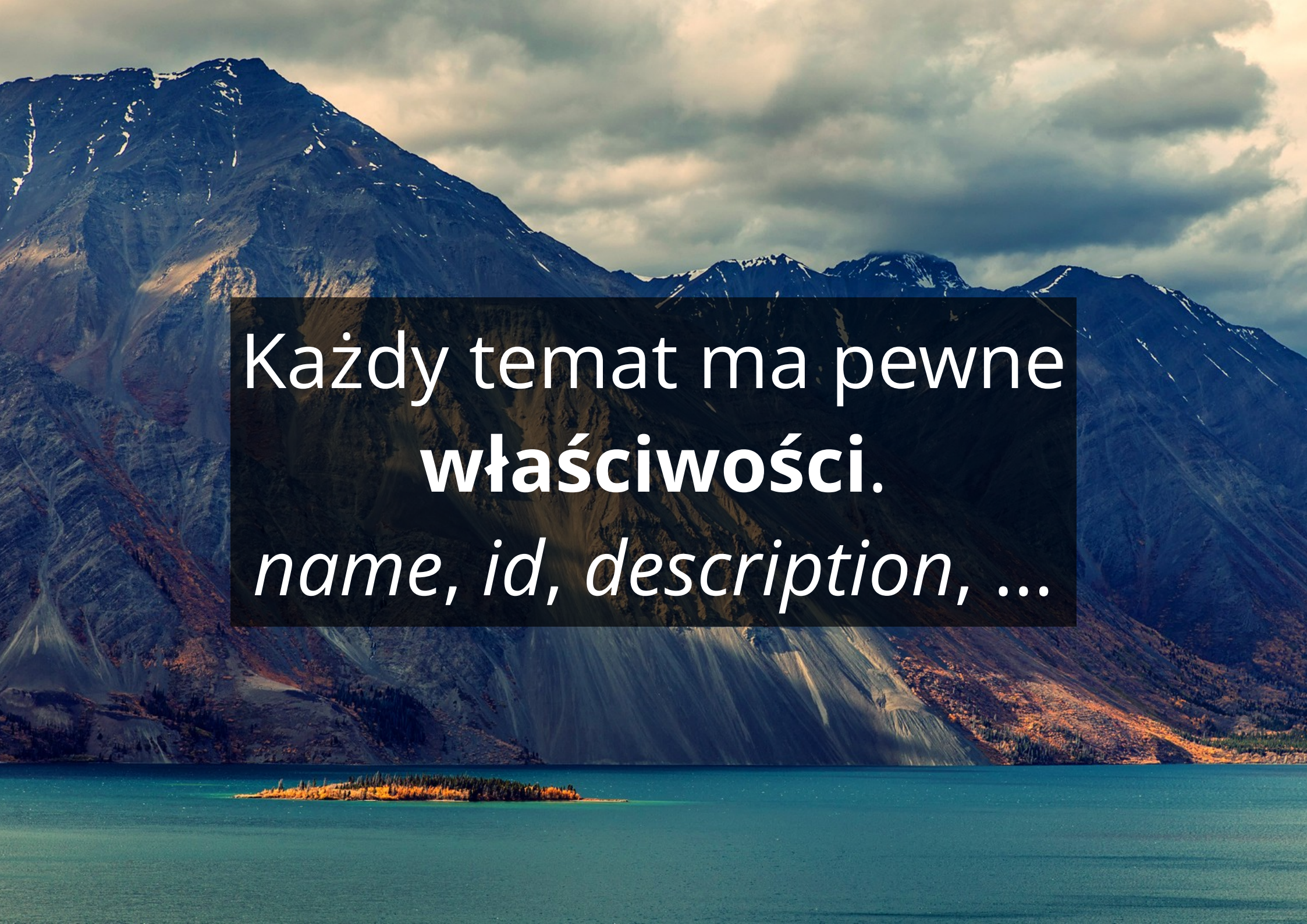
TV



dowolny *temat*



Dane grupowane są w **tematach**.
Przykłady: *Hel, Barack Obama,*
Łódź, Impresjonizm



Każdy temat ma pewne
właściwości.
name, id, description, ...

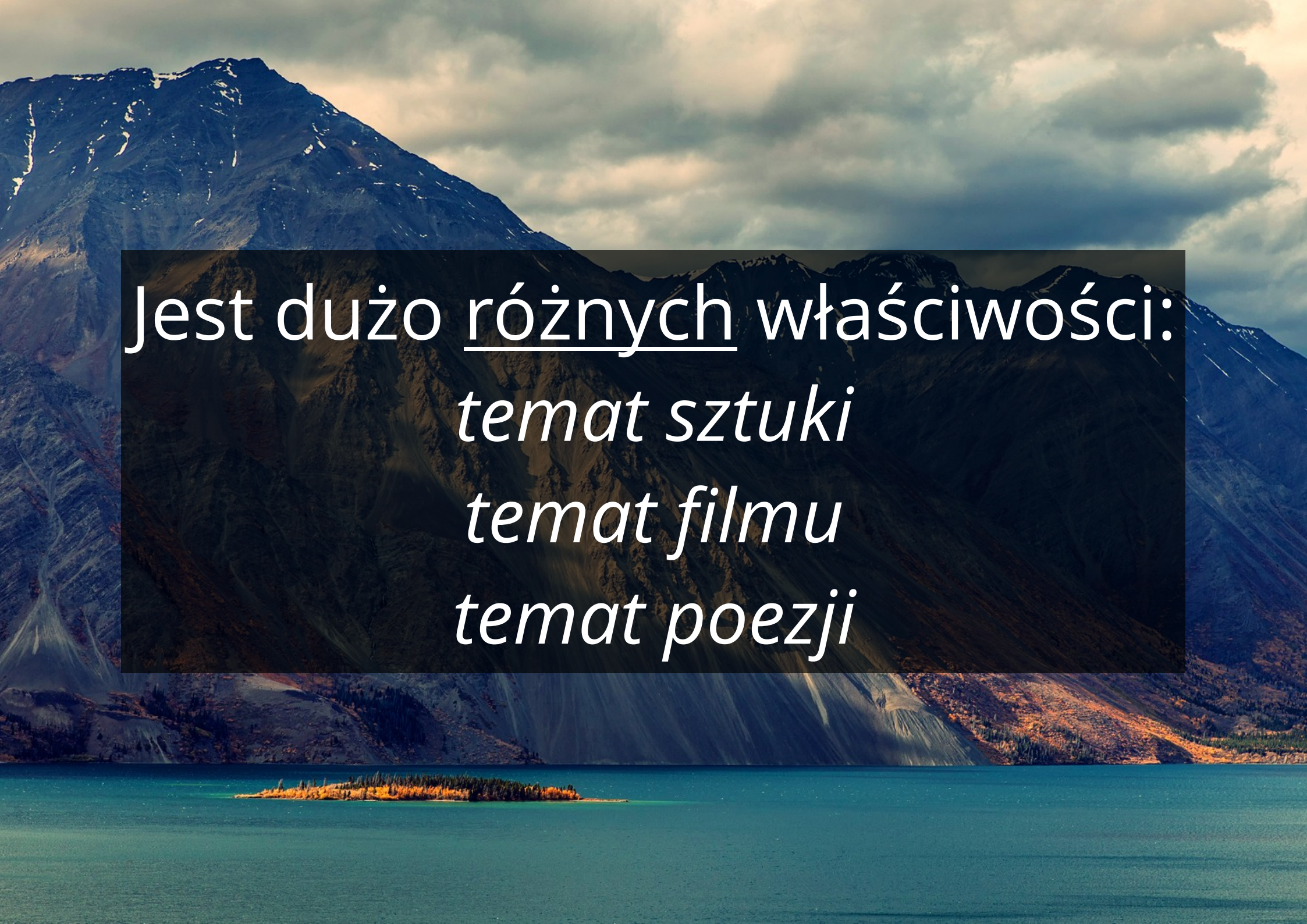


Niektóre właściwości
łączą tematy.

Film
gatunek ↓ filmu
Gatunek



Na dole strony kliknij
"Edit and Show details"



Jest dużo różnych właściwości:
temat sztuki
temat filmu
temat poezji



Właściwości grupuje się w **typach**.

/film/actor
/music/album
/medicine/disease

...



Typy grupuje się w **domenach**.

/film/actor
/music/album
/medicine/disease

...



Každy temat ma **guid**:

"#9202a8c04000641f8000000000594e4b1"



Niektóre tematy mają także id.

/en/bob_dylan

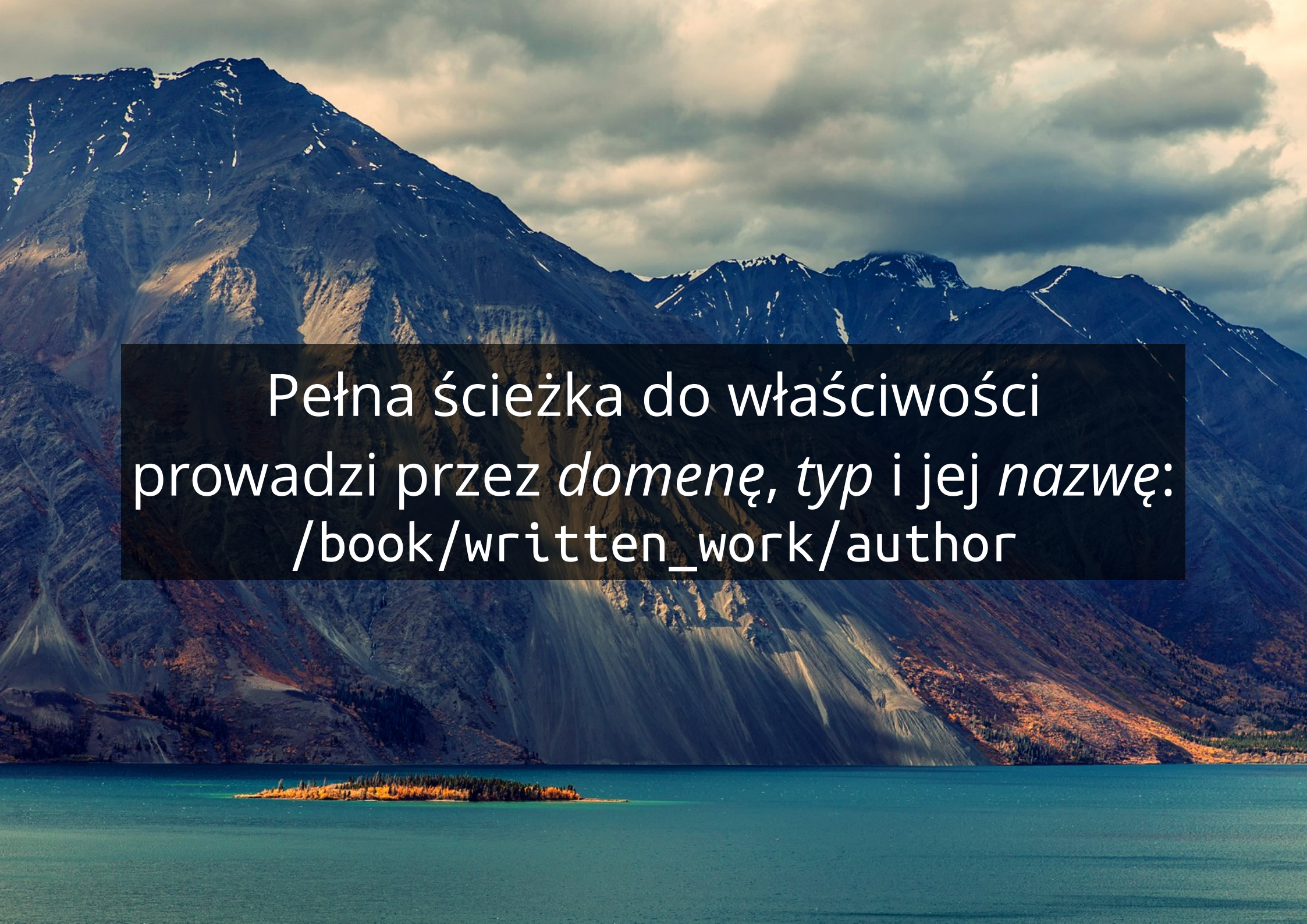
...



Id grupuje się w przestrzeniach nazw:

`/en/bob_dylan`


...




Pełna ścieżka do właściwości
prowadzi przez *domenę*, *typ* i jej *nazwę*:
`/book/written_work/author`




Zapytania wykonuje się
w formacie **JSON**.
json.org




Wejdź na
freebase.com/queryeditor




Freebase wypełnia luki w MQL



```
{  
  "id": "/en/new_york",  
  "guid": null,  
  "name": null,  
  "/location/location/containedby": [],  
  "/location/place_with_neighborhoods/neighborhoods": []  
}
```

Jeszcze raz.
Tym razem użyj mocy
klawisza **TAB**




```
{  
  "id": TAB!, new york, Enter → "/en/new_york",  
  "guid": null,  
  "name": null,  
  "/location/location/containedby": [],  
  "/location/place_with_neighborhoods/neighborhoods": []  
}
```


The image is a movie poster for 'The Dark Knight'. It features the Joker, played by Heath Ledger, in a purple suit, looking down with a menacing expression. He has white face paint, dark eye makeup, and a bloody smile. The background is a chaotic scene of a city in ruins, with debris flying through the air and a tall building on the right side. At the bottom, the title 'THE DARK KNIGHT' is written in large, white, block letters, with a bright blue light effect behind the words 'DARK' and 'KNIGHT'.

Kto reżyserował *Mrocznego Rycerza*?

THE DARK KNIGHT

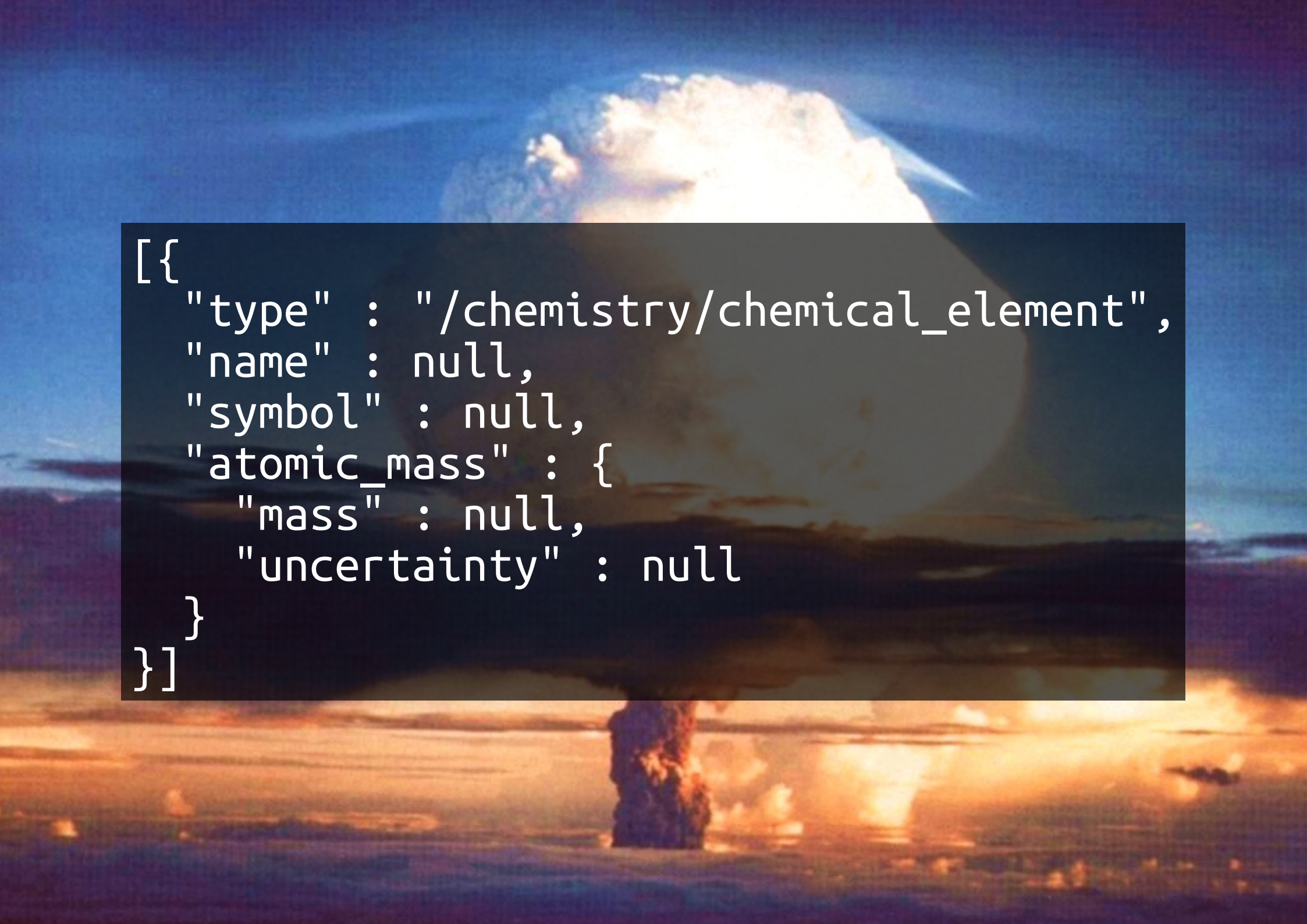


```
[{  
  "id" : "/en/the_dark_knight",  
  "/film/film/directed_by" : [{}]  
}]
```

THE DARK KNIGHT

A large, billowing white and grey mushroom cloud from a nuclear explosion rises into a clear blue sky. The cloud has a dense, rounded top and a thick, dark column of smoke and debris rising from the ground. The ground is visible at the bottom, showing a flat, open landscape with some distant structures and a body of water reflecting the light from the explosion.

Jakie mamy pierwiastki?

A large, billowing mushroom cloud from a nuclear explosion, with a bright fireball at the base, set against a clear blue sky.

```
[{  
  "type" : "/chemistry/chemical_element",  
  "name" : null,  
  "symbol" : null,  
  "atomic_mass" : {  
    "mass" : null,  
    "uncertainty" : null  
  }  
}]
```




Jak oznaczyć miejsce?

null - prosta wartość

[] - lista wartości

{} - szczegóły

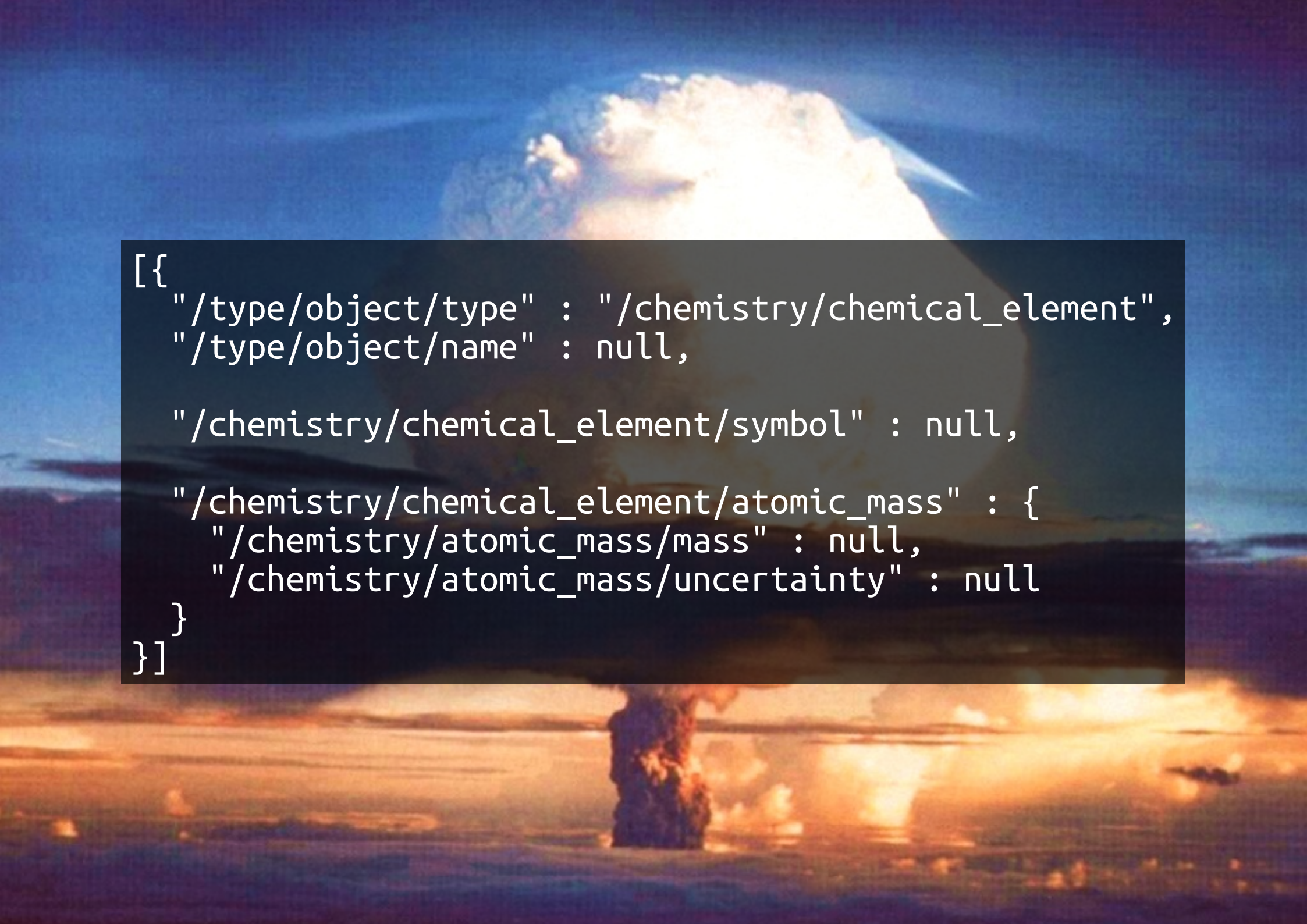


Więcej szczegółów!

```
{ "*" : null }
```



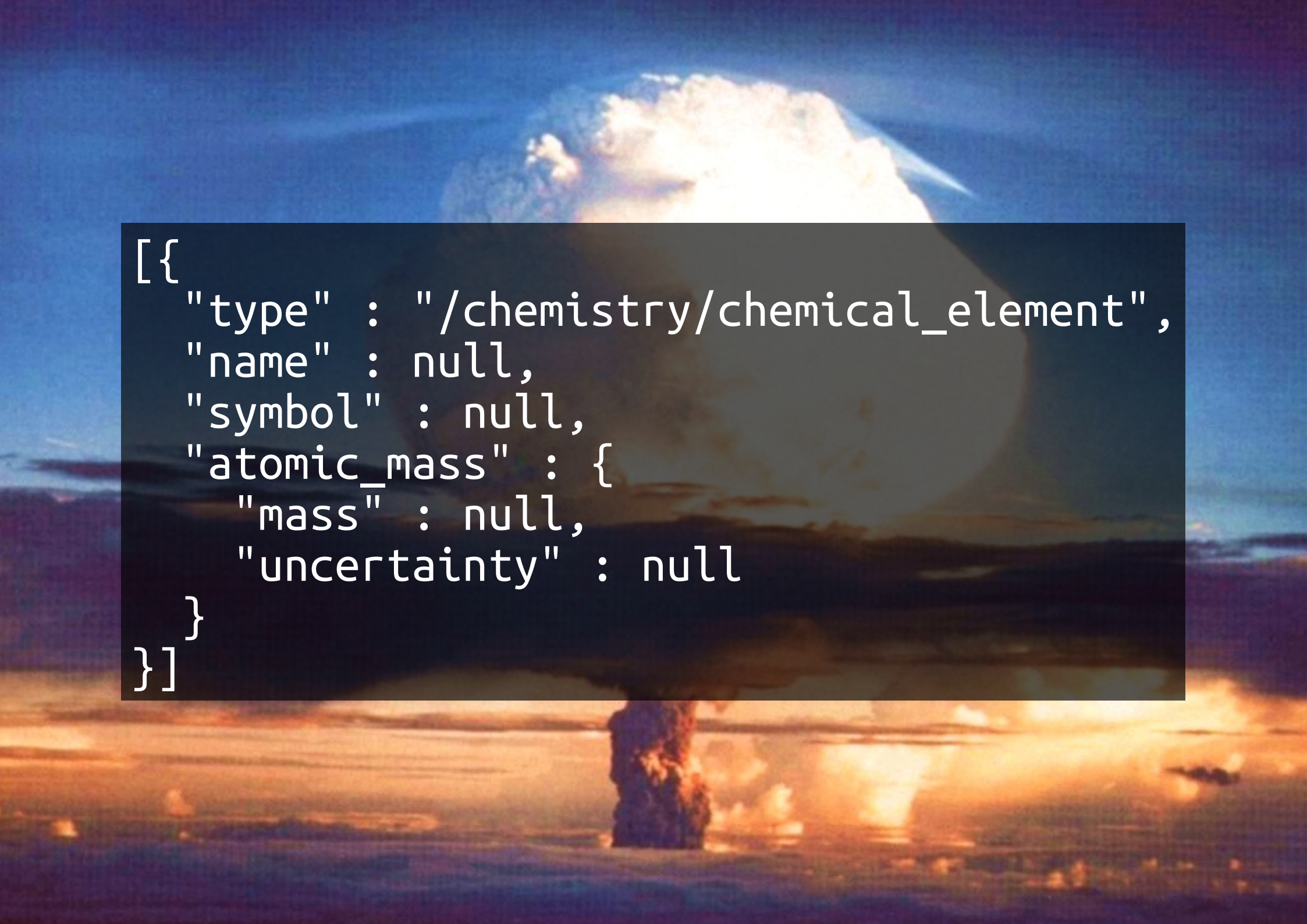

Korzystamy ze skrótów

A large, bright, white and yellow mushroom cloud from a nuclear explosion rises into a clear blue sky. The base of the cloud is surrounded by a layer of orange and yellow smoke and debris. The overall scene is a powerful visual representation of nuclear energy.

```
[{
  "/type/object/type" : "/chemistry/chemical_element",
  "/type/object/name" : null,

  "/chemistry/chemical_element/symbol" : null,

  "/chemistry/chemical_element/atomic_mass" : {
    "/chemistry/atomic_mass/mass" : null,
    "/chemistry/atomic_mass/uncertainty" : null
  }
}]
```


A large, billowing mushroom cloud from a nuclear explosion, with a bright fireball at the base, set against a clear blue sky.

```
[{
  "type" : "/chemistry/chemical_element",
  "name" : null,
  "symbol" : null,
  "atomic_mass" : {
    "mass" : null,
    "uncertainty" : null
  }
}]
```



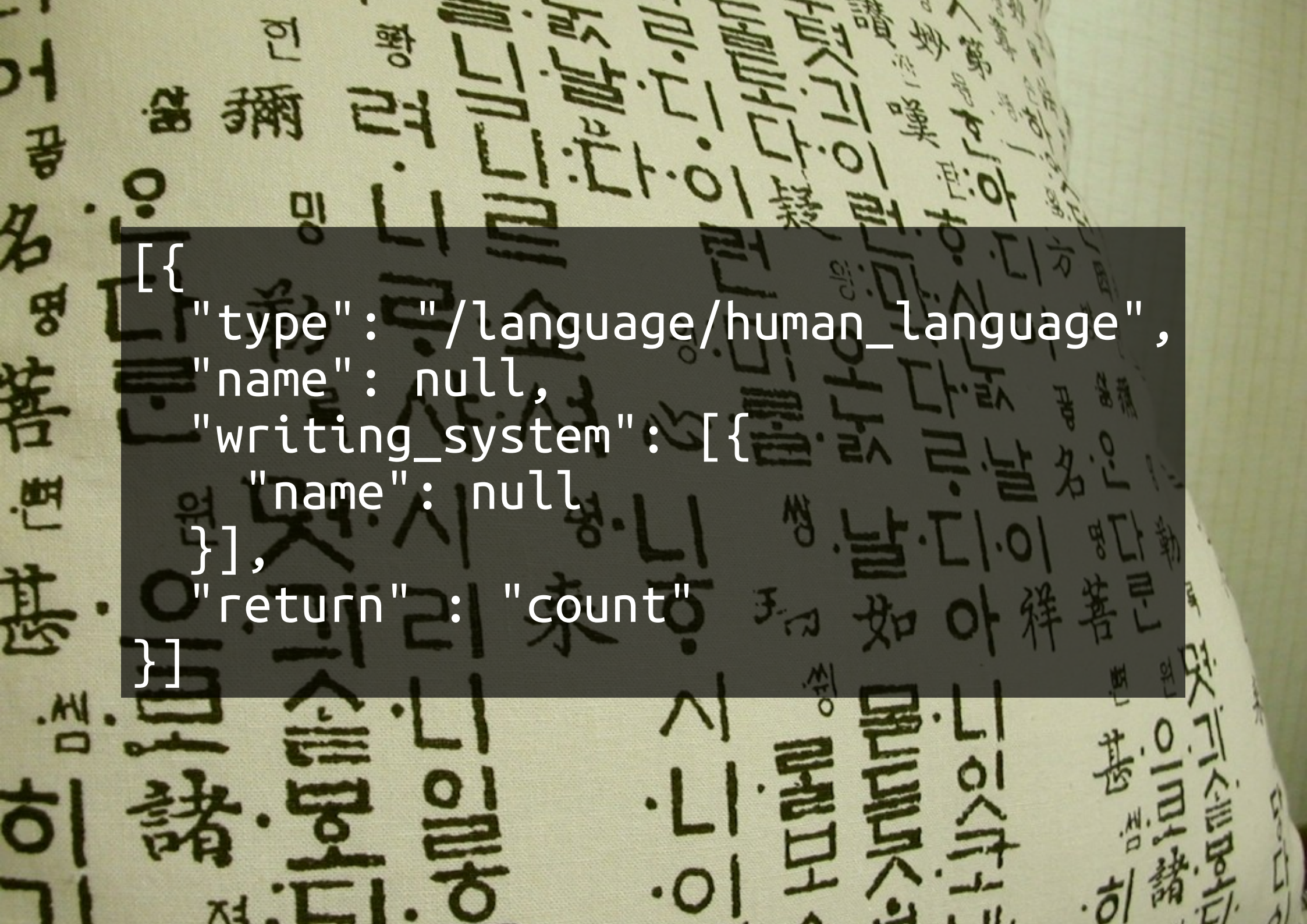

Zliczanie elementów



```
{  
  ...  
  "return" : "count"  
}
```




Ile jest języków pisanych?




```
[{  
  "type": "/language/human_language",  
  "name": null,  
  "writing_system": [{  
    "name": null  
  }],  
  "return": "count"  
}]
```


The image features three overlapping, semi-transparent photographs of Justin Bieber. He is shown from the waist up, wearing a bright blue quilted vest over a black t-shirt, black jeans, a black wristwatch, and a silver chain with a large rectangular pendant. He has his hands in his pockets and a serious expression. The background is a light blue and white gradient with abstract shapes. A large, dark grey rectangular box with white text is centered over the middle image.

Ilu jest znanych Bieberów?

**JUSTIN
BIEBER**

A young Justin Bieber with brown hair, wearing a blue quilted vest over a black t-shirt and black pants. He is standing with his hands in his pockets, looking directly at the camera. The background is a light blue gradient with faint, larger images of him in the same pose.

```
[{  
  "type": "/people/person",  
  "name~=": "* Bieber",  
  "name": null,  
  "/people/person/date_of_birth>": "1970",  
  "/people/person/date_of_birth": null  
}]
```

**JUSTIN
BIEBER**