### clause/2

## Description

```
clause(Head, Body)
```

Enumerates, by backtracking, the clauses of an object's dynamic predicates.

# Template and modes

```
clause(+callable, ?body)
```

#### **Errors**

```
Head is a variable:
    instantiation_error

Head is a neither a variable nor a callable term:
    type_error(callable, Head)

Body is a neither a variable nor a callable term:
    type_error(callable, Body)

The predicate indicator of Head is that of a private predicate:
    permission_error(access, private_predicate, Head)

The predicate indicator of Head is that of a protected predicate:
    permission_error(access, protected_predicate, Head)

The predicate indicator of Head is that of a static predicate:
    permission_error(access, static_predicate, Head)

Head is not a declared predicate:
    existence_error(predicate_declaration, Head)
```

## **Examples**

```
To retrieve a matching clause of any dynamic predicate in this:
```

```
clause(Head, Body)
```

To retrieve a matching clause of a public or protected dynamic predicate in self:

```
::clause(Head, Body)
```

To retrieve a matching clause of a public dynamic predicate in an object:

```
Object::clause(Head, Body)
```

Copyright © Paulo Moura — Logtalk.org Last updated on: October 26, 2005

