

## `extends_object/2-3`

### Description

```
extends_object(Prototype, Parent)

extends_object(Prototype, Parent, Scope)
```

Enumerates, by backtracking, all pairs of objects such that the first one extends the second. The relation scope is represented by the atoms `public`, `protected`, and `private`.

### Template and modes

```
extends_object(?object_identifier, ?object_identifier)

extends_object(?object_identifier, ?object_identifier, ?scope)
```

### Errors

Prototype is neither a variable nor a valid object identifier:

```
type_error(object_identifier, Prototype)
```

Parent is neither a variable nor a valid object identifier:

```
type_error(object_identifier, Parent)
```

Scope is neither a variable nor a valid entity scope:

```
type_error(scope, Scope)
```

### Examples

```
| ?- extends_object(Object, state_space).
| ?- extends_object(Object, list, public).
```

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