```
cudf::detail::column
     _view_base
```
_type
_size
_data
_null_mask
_null_count
_offset
+ head()
+ data()
+ begin()
+ end()
+ size()
+ is_empty()
+ type()
+ nullable()
+ null_count()
+ null_count()
+ has_nulls()
+ has_nulls()
+ null_mask()
+ offset()
# column_view_base()
# ~column_view_base()
# column_view_base()
# column_view_base()
# operator=()
# operator=()
# column_view_base()

△

```
cudf::column_view
```
- _children
+ column_view()
+ ~column_view()
+ column_view()
+ column_view()
+ operator=()
+ operator=()
+ column_view()
+ child()
+ num_children()
+ child_begin()
+ child_end()
+ column_view()
+ operator device_span < T const >()

△

```
cudf::lists_column_view
```
+ offsets_column_index
+ child_column_index
+ lists_column_view()
+ lists_column_view()
+ lists_column_view()
+ ~lists_column_view()
+ operator=()
+ operator=()
+ parent()
+ offsets()
+ child()
+ get_sliced_child()
+ offsets_begin()
+ offsets_end()
+ child_begin()
+ child_end()