

**Dataset**[<|a → <|x → 7|>|>]

a	< ... <sub>1</sub>  >
2 levels   1 rows	

**ds = Dataset**[<|"a" → <|"x" → 7, "y" → 9|>, "b" → <|"x" → 7, "y" → 9|>|>]

	x	y
a	7	9
b	7	9
2 levels   2 rows		

**ds**["a"]

x	7
y	9
1 level   2 elements	

**ds**[All, "y"]

a	9
b	9
1 level   2 elements	

**ds**["a"]

x	7
y	9
1 level   2 elements	

**ds**[All, "y"]

a	9
b	9
1 level   2 elements	

**Dataset**[{{7}}]

7
2 levels   1 rows

```
dataset = Dataset[{
  <"a" → 1, "b" → "x", "c" → {1} |>,
  <"a" → 2, "b" → "y", "c" → {2, 3} |>,
  <"a" → 3, "b" → "z", "c" → {3} |>,
  <"a" → 4, "b" → "x", "c" → {4, 5} |>,
  <"a" → 5, "b" → "y", "c" → {5, 6, 7} |>,
  <"a" → 6, "b" → "z", "c" → {} |>}]
```

a	b	c
1	x	{1}
2	y	{2, 3}
3	z	{3}
4	x	{4, 5}
5	y	{5, 6, 7}
6	z	{}

3 levels | 6 rows

```
ds = Dataset[
  Association@Table[
    ti → Association@Table[
      hj → ij,
      {j, 1, 3}
    ],
    {i, 1, 4}
  ]
]
```

t <sub>1</sub>	< ... <sub>3</sub>  >
t <sub>2</sub>	< ... <sub>3</sub>  >
t <sub>3</sub>	< ... <sub>3</sub>  >
t <sub>4</sub>	< ... <sub>3</sub>  >

2 levels | 4 rows

```
ds[[t1]]
```

Failure [  Message: Subscript[t, 1] is not a valid part specification. Tag: Dataset ]

```
ds[t1]
```

```
t1 [ <|t1 → <|h1 → ij, h2 → ij, h3 → ij |>, t2 → <|h1 → ij, h2 → ij, h3 → ij |>,
  t3 → <|h1 → ij, h2 → ij, h3 → ij |>, t4 → <|h1 → ij, h2 → ij, h3 → ij |> |> ]
```