

Tagged union, variant records, algebraic data types.

exact unions which do not admit new members after initial definition, and *open unions*, which do.

```
type name =  
    name1 [of type1]  
    ...  
    | nameN [of typeN]
```

Each `namei` is the *constructor* names and must begin with a capital letter.

The optional `typei` is its value.

With the syntax of function application give the constructor name followed by an instance of its value type, if applicable.

```
type 'a name =  
  [> 'name1 [of type1]  
  ...  
  | 'nameN [of typeN] ] as 'a
```

It means the expression is an instance of a union type that contains the member x with value y . More cases that are supported can be added using $|$.

... pattern matching.

```
type 'a list =  
  []  
  | :: of 'a * 'a list
```

[] is not a valid name and requires language support.


```
type 'a option =  
    None  
  | Some of 'a
```

Same as open unions, except with $<$ instead of $>$.