

EBNF Union example:

Example code:

```
Union {  
    int i;  
    float f;  
    char str[30];  
} myUnion
```

EBNF:

$\langle \text{Union} \rangle \Rightarrow \text{"Union"} = \{ \langle \text{var-declare} \rangle ; \} \text{"}" \langle \text{identifier} \rangle$

$\langle \text{var-declare} \rangle \Rightarrow \langle \text{type} \rangle \langle \text{identifier} \rangle$

$\langle \text{type} \rangle \Rightarrow \text{"int"} \mid \text{"char"} \mid \text{"real"} \dots$

$\langle \text{identifier} \rangle \Rightarrow \langle \text{letter} \rangle \{ \langle \text{letter} \rangle \mid \langle \text{digit} \rangle \mid \text{"_"} \}$

$\langle \text{digit} \rangle \Rightarrow \text{"0"} \mid \text{"1"} \mid \text{"2"} \dots$

$\langle \text{letter} \rangle \Rightarrow \text{"A"} \mid \text{"B"} \mid \text{"C"} \dots$

$\text{"a"} \mid \text{"b"} \mid \text{"c"} \dots$