

// USEFUL TO TEST THE PARSER

// This is not a Kay program but it is good for testing purposes

// The syntax error is that we use = and not :=

```
void main(){  
int i;  
i = 7;  
}
```

// The corresponding Kay program is

```
main{  
integer i;  
i := 7;  
}
```

// Write a KAY program that uses ||

```
main{  
    bool b1;  
    bool b2;  
    bool b3;  
    b3 := b1 || b2;  
}
```

// Write a KAY program with a if

```
main{  
    bool b1;  
    bool b2;  
    b1 := True;  
    if (b1)  
        { b2 := True;}  
    else  
        {b2 := False;}  
}
```

// Write a KAY program with a while

```
main{
    integer i;
    integer n;
    n :=10;
    while(i < n){
        i := i + 1;
    }
}
```

// Write a KAY program that computes the max of 2 integer

```
main{
    integer x,y,max;
    If (x > y){
        max := x;
    }
    else {
        max := y;
    }
}
```

// Examples of syntax

// Missing semicolon

// Missing separator

// if {

//

```
main{
    integer x;
    x := True;
```

}