

```
// 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;
```

}