```
//max of 3 numbers
$
 var x:int;
 var y:int;
 var z:int;
 var max:int = 0;

 Read(x);
 Read(y);
 Read(z);

 Verify(x >= y && x >= z) =>
        {
                max = x;
        }else Verify(y>=x && y>=z )=>

        {
                max = y;
        }else =>{  max = z; }

 Show("The max is:", max);

$
```

//prime number

```
$
        var x:int;
        var isPrime:bool =true ;
        Read(x);

        Verify(x <= 0 ) =>{
                isPrime = false;
        }else Verify(x == 1)=>{
                isPrime = false;
        }

        for(i = 2; i<= rad(x); i++)=>
        {
                Verify(x % i == 0)=>{
                        isPrime = false;
                }
        }

        Show(isPrime);
$
```

// sum of numbers

```
$
        var sum:int = 0;
        var aux:int;
        var n:int;
        var i:int=0;
        var myList:list[];
        Read(n);

        for(i = 0; i< n; i++ )=>
        {
                Read(aux);
                sum+=aux;
        }
        Show(sum);
$


//2 lexical errors
$
 var x:int;
 var y:int;
 var z:int;
 var max:int = 0;
```

```
 Read(x);

 Read(y);

 Read(z);

/*this is a lexical error

 Verify(x >= y && x >= z) =>

        {

                max = x;

        }else Verify(y>=x && y>=z )=>


        {

                max = y;

        }else =>{  max = z; }


        Show("The max is:, max);


$
```