compute de max/min of 3 numbers

1.

```
{
      declare a:int
      declare b:int
      declare c:int
      declare max:int
      declare min:int

      read(a)
      read(b)
      read(c)

      if a>b
      {
            if b>c
            {
                  max <- a
                  min <- c
            }
            else
            {
                  min <- b
                  if a>c
                        max <- a
                  else
                        max <- c
            }
      }
      else
      {
            if b<c
            {
                  min <- a
                  max <- c
            }
            else
            {
                  max <- b
                  if a>c
                        min <- c
                  else
                        min <- a
            }
      }

      write(min)
      write(max)
}
```

compute gcd of 2 numbers

2.

```
{
      declare a:int
      declare b:int
      declare gcd:int

      read(a)
      read(b)

      repeat
      {
            if a>b
                  a <- a-b
            else
                  b <- b-a
      }
      until a = b

      gcd <- a
      write(gcd)
}
```

compute the sum of n numbers

3.

```
{
      declare n:int
      declare nr:int

      declare i:int
      declare sum:int
      sum <- 0

      read(n)
      for i from (1,n,1)
      {
            read(nr)
            sum <- sum + nr
      }

      write(sum)
}
```

2 types of lexical errors

{

```
	declare a:int
	declare b:int
	declare gcd:int

	declare myString:string
	myString <- "ayy'

	read(a!2#e)
	read(b)

	repeat
	{
		if a>b
			a <- a-b
		else
			b <- b-a
	}
	until a = b

	gcd <- a
	write(gcd)
}
```