

p1. Greatest common divisor

```
int n;
```

```
int m;
```

```
read(n);
```

```
read(m);
```

```
while n != m {
```

```
    if n > m {
```

```
        n = n - m;
```

```
    }
```

```
    else {
```

```
        m = m - n;
```

```
    }
```

```
}
```

```
write(n);
```

p2. Compute the max of 3 numbers

```
int a;
```

```
int b;
```

```
int c;
```

```
int largest;
```

```
read(a);
```

```
read(b);
```

```
read(c);
```

```
if a>=b and a >= c {
```

```
    largest = a;
```

```
}
```

```

    if b >= a and b >= c {
        largest = b;
    }
    if c >= a and c >= b{
        largest = c;
    }
    write(largest)

```

p3. Compute the sum of first n numbers

```

int n;
int sum;
sum = 0;
read(n);
int i;
for i =0; i <= n; i = i + 1 {
    sum = sum + i;
}
write(sum);

```

p1err. Compute the min of n numbers

```

int 1n; // First lexical error 1n -> n; variable names can't start with numbers

int min;

min = 0ab; // Second lexical error 0ab -> 0; you can assign only numbers; 0ab is not valid

read(1n);

int i;

```

```
int number;  
  
for i = 0; i <= 1n; i = i + 1 {  
    read(number);  
    if number < min {  
        min = number;  
    }  
}  
  
write(min)
```