

## **Lab 1 – FLCD**

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### **P1 – max of three numbers**

```
int num1 = readInt () ;
int num2 = readInt () ;
int num3 = readInt () ;
if (num1 >= num2 && num1 >= num3) {
    return num1;
}
if (num2 >= num1 && num2 >= num3) {
    return num2;
}
if (num3 >= num1 && num3 >= num2) {
    return num3;
}
```

### **P2 – check if number is prime**

```
int nr = readInt () ;
string isPrime = "Number is prime";
string isNotPrime = "Number is not prime";
int d;
for(d = 2; d < nr/2; d++) {
    if (nr % d == 0) {
        print(isNotPrime);
    }
}
print(isPrime);
```

### **P2err – check if number is prime**

```
int nr = readInt();  
string isPrime = "Number is prime; // lexical error  
string isNotPrime = "Number is not prime";  
int d#; // lexical error  
for(d = 2; d < nr/2; d++) {  
    if (nr % d == 0) {  
        print(isNotPrime);  
    }  
}  
print(isPrime);
```

### **P3 - compute the sum of n numbers**

```
int n = readInt();  
int i;  
int array[100];  
int sum = 0;  
// read numbers  
for (i=0; i<n; i++) {  
    int m = readInt();  
    array[i] = m;  
}  
  
for (i=0; i<n; i++) {  
    sum += array[i];  
}  
return sum;
```