```
// p1
// computes the maximum of 3 numbers

funct main() {
        init integer i1, i2, i3;

        i1 = readInt();
        i2 = readInt();
        i3 = readInt();

        test (i1 > i2) {
                test (i1 > i3)

                        print(i1);
                else

                        print(i3);
        } else test (i2 > i3)

                print(i2);
        else print(i3);
}


// p1err
// computes the maximum of 3 numbers, contains 2 lexical errors

funct main() {
        init integer i1, i2, i3;

        i1 = 3423hab; // character sequence doesn't represent any type of token
        i2 = readInt();
        i3 = readInt();
```

```
        test (i1 ><> i2) { // character sequence doesn't represent any type of token

                test (i1 > i3)

                        print(i1);

                else

                        print(i3);

        } else test (i2 > i3)

                print(i2);

        else print(i3);

}


//p2

// computes if a number is prime


funct main() {

        init integer inputInt, div;

        init boolean isPrime;


        inputInt = readInt();

        div = 2;

        isPrime = true;


        test (inputInt < 2)

                isPrime = false

        while (div * div <= inputInt) {

                test (inputInt % div == 0)

                        isPrime = false;

                div = div + 1;

        }
```

```
        test (isPrime == true)

                print("Is prime");

        else print("Is not prime");

}


//p3

// computes the sum of n numbers


funct main() {

        init integer n, index, sum;

        n = readInt();

        init integer[n] numbers;


        numbers = readIntArray(n);

        sum = 0;

        index = 0;

        while (index < n) {

                sum = sum + numbers[index];

                index = index + 1;

        }

        print(sum);

}
```