

L1a

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p1.bs

```
// Verify if a number is prime.

var n;
n = readInt();
var prime = 1;
var d = 2;
while (d * d <= n && prime == 1) {
    if (n % d == 0) {
        prime = 0;
    };
    d = d + 1;
};
if (prime == 1) {
    print("prime");
} else {
    print("not prime");
};
```

p1err.bs

```
// Verify if a number is prime.

var 2n; // 2n does not follow the rules of an identifier and
cannot it be classified as anything else.
n = readInt();
var prime = 1~43565; // "~" is not among the allowed tokens.
var d = 2;
while (d * d <= n && prime == 1) {
    if (n % d == 0) {
        prime = 0;
    };
    d = d + 1;
};
if (prime >= 1) {
```

```
        print("prime");
    } else {
        print("not prime");
    }
};
```

p2.bs

```
// Compute the maximum of 3 numbers.

var x, y, z;
x = readInt();
y = readInt();
z = readInt();
var Max = x;
if (y > Max) {
    Max = y;
};
if (z > Max) {
    Max = z;
};
print(Max);
```

p3.bs

```
// Compute the sum of n numbers.

var n = readInt();
var sum = 0;
var i = 1;
while (i <= n) {
    var x;
    x = readInt();
    sum = sum + x;
    i = i+1;
};
print(sum);
```