

P1

Check if a given number is a perfect square.

```
hai n;  
da-mi n;  
hai i = 0;  
da-i sa sune ( $i*i < n$ ) {  
    i creste 1;  
}
```

```
daca e ( $i*i$ ) frate n {  
    zi-le "DA";  
}  
daca nu {  
    zi-le "NU";  
}
```

P2

Compute the gcd of 2 given numbers.

```
hai a,b;  
da-mi a, b;  
hai r = a % b;  
hai ca = a, cb = b;  
da-i sa sune (b nu-i frate 0) {  
    a = b;  
    b = r;  
    r = a%b;  
}
```

zi-le "gcd of \$ca and \$cb is \$a";

P3

Compute the sum of n given numbers, where n is given.

hai n;

da-mi n;

hai x;

hai s = 0;

facem (i = 0 ; i < n ; i creste 1){

da-mi x;

s creste x;

}

zi-le "Suma este \$s";

P3 Err

Compute the sum of n given numbers, where n is given.

hai n;

dami n; -- syntactic error, we do not encourage bad grammar

hai x;

hai s = 0;

facem (i = 0 ; i < n ; i creste 1){

da-mi x;

s creste x;

}

zi-le Suma este \$s; -- syntactic error, no identifier Suma found