```
// p1.* - GCD of two numbers

void main() {
    int a, b, c;
    c = 0;
    read(a);
    read(b);
    while(c != 0){
        c = b;
        b = a % b;
        a = c;
    }
    print("gcd is: " + a);
}



// p2.* - compute min/ max of 3 numbers

void main() {
    double a, b, c, maxi, mini;
    read(a);
    read(b);
    read(c);
    maxi = a;
    mini = a;
    if(b > maxi) {
        maxi = b;
    }
    if(b < mini) {
```

```
      mini = b;

   }

   if(c > maxi) {

      maxi = c;

   }

   if(c < mini) {

      mini = c;

   }

   print("the maximum is: " + maxi);

   print("the minimum is: " + mini);

}



// p3.* - compute the sum of numbers in an array

void main(){

   int[] array

   int size, i, sum

   sum = 0

   read(size);

   for(i = 0; i < size; i++) {

      read(array[i]);

   }

   for(i = 0; i < size; i++) {

      sum = sum + array[i];

   }

   print("sum of elements in array is: " + sum);

}
```

```
// p1err.*

void main(){

    string name = "dani; // lexical error, doublequote around strings should be closed

    string greeting = "hello" % name; // semantic error, "%" is not defined on strings

    print(greeting);

}
```