Diagrama 1

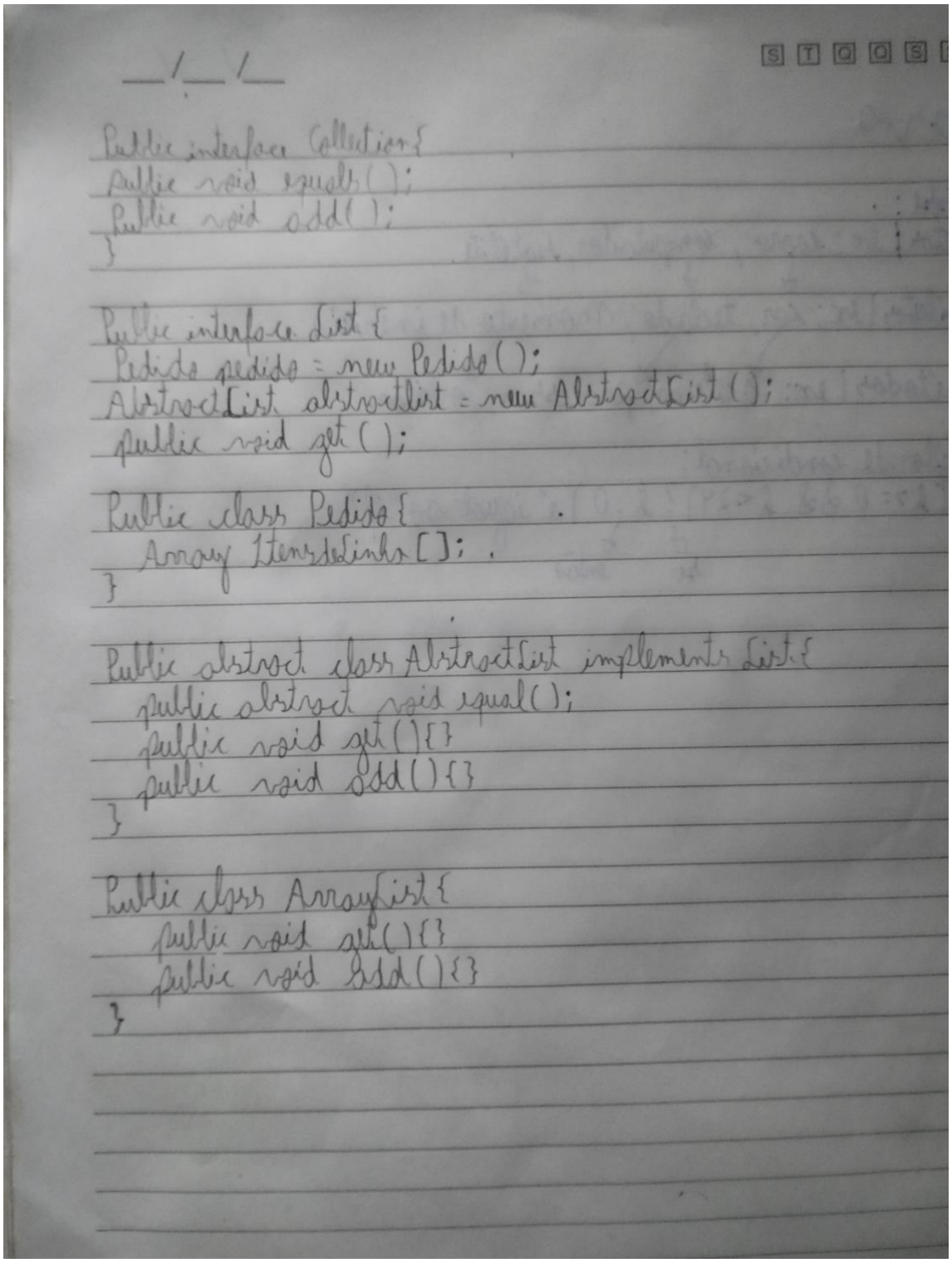
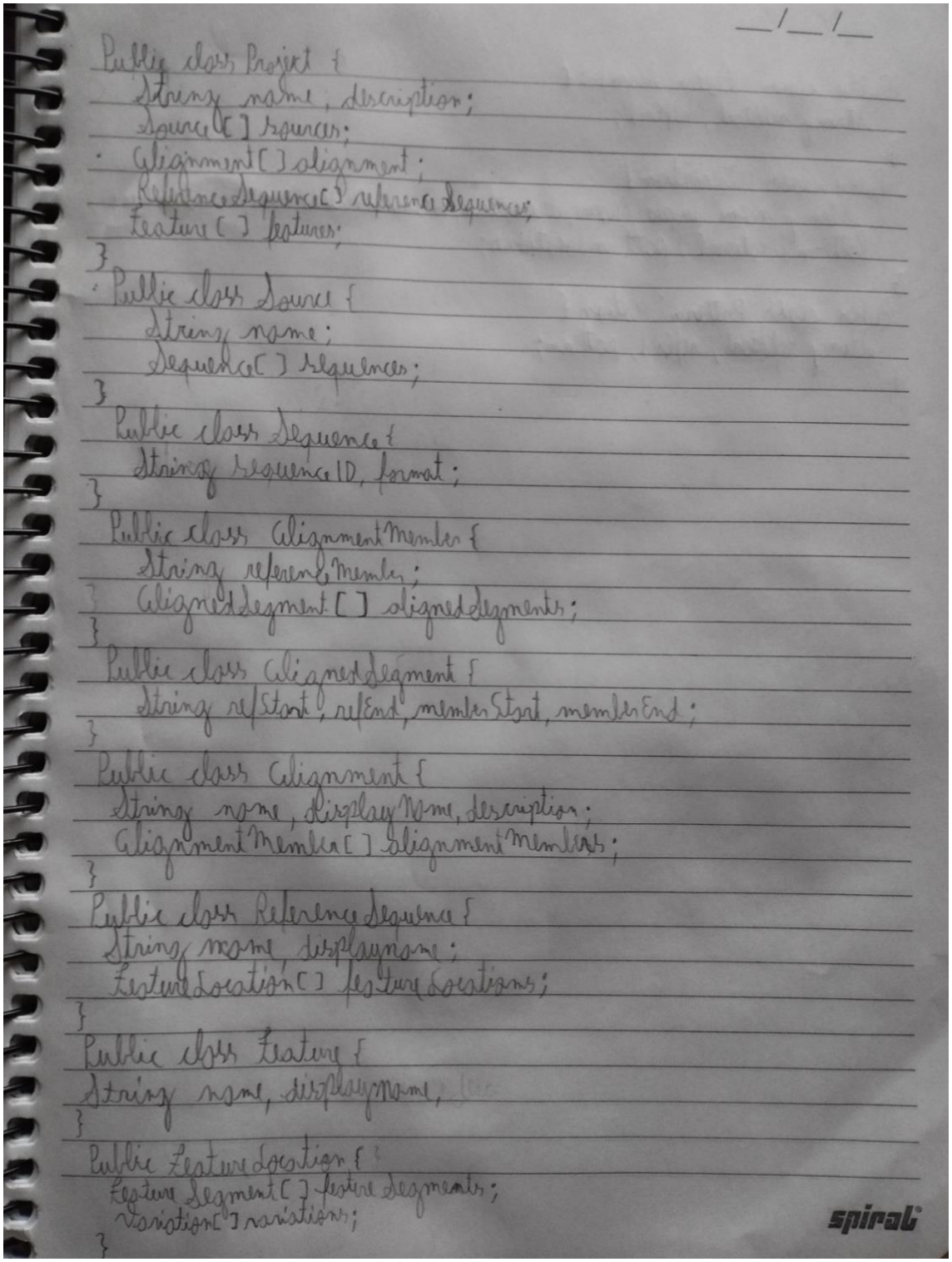
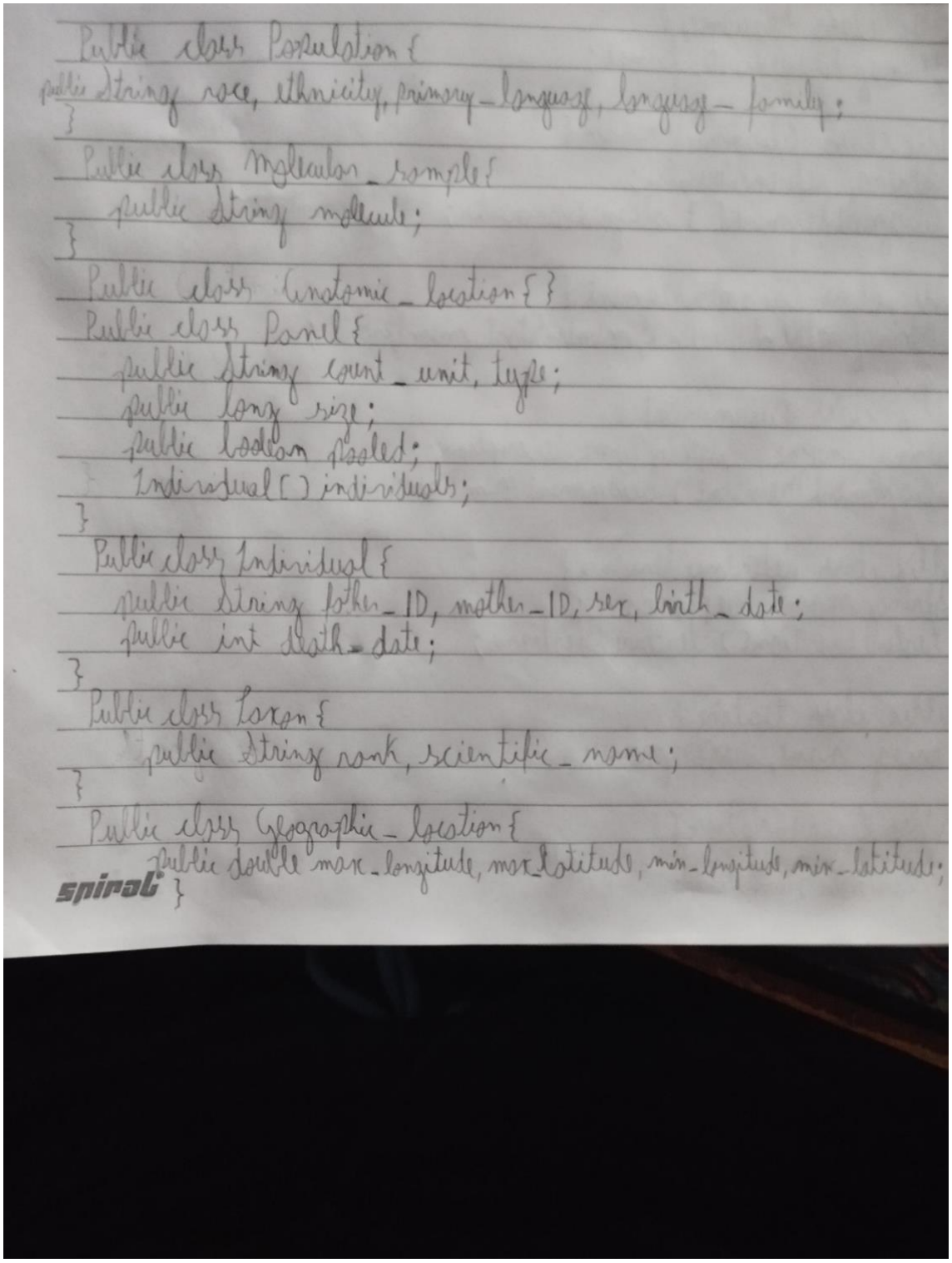

__/__/__
S T O O S
Public interface Collection{
Public void equals();
Public void add();
}
Public interface List{
Pedido pedido = new Pedido();
AbstractList abstractlist = new AbstractList();
public void get();
Public class Pedido{
Array ItensdeLinha[];
}
Public abstract class AbstractList implements List{
public abstract void equal();
public void get(){}
public void add(){}
}
Public class ArrayList{
public void get(){}
public void add(){}
}

Diagrama 2


__/__/__
Public class Project {
String name, description;
Source[] sources;
Alignment[] alignment;
ReferenceSequence[] referenceSequences;
Feature[] features;
}
Public class Source {
String name;
Sequence[] sequences;
}
Public class Sequence {
String sequenceID, format;
}
Public class AlignmentMember {
String referenceMember;
AlignedSegment[] alignedSegments;
}
Public class AlignedSegment {
String refStart, refEnd, memberStart, memberEnd;
}
Public class Alignment {
String name, displayName, description;
AlignmentMember[] alignmentMembers;
}
Public class ReferenceSequence {
String name, displayname;
FeatureLocation[] featureLocations;
}
Public class Feature {
String name, displayname;
}
Public FeatureLocation {
FeatureSegment[] featureSegments;
Variation[] variations;
}
spiral

```
Public class FeatureSegment {
  String refStart, refEnd;
}
Public class Variation {
  String name, displayName, description, scannerModuleName, translationTyp
  PatternLocation[] patternLocations;
}
Public class PatternLocation {
  String refStart, refEnd, pattern;
}
```

Diagrama 3


Public class Population {
public String race, ethnicity, primary_language, language_family;
}
Public class Molecular_sample {
public String molecule;
}
Public class Anatomic_location {}
Public class Panel {
public String count_unit, type;
public long size;
public boolean pooled;
Individual[] individuals;
}
Public class Individual {
public String father_ID, mother_ID, sex, birth_date;
public int death_date;
}
Public class Taxon {
public String rank, scientific_name;
}
Public class Geographic_location {
public double max_longitude, max_latitude, min_longitude, min_latitude;
}