Day 2

1) Java Source File Structure - Package Statement

```
dB                          Date →        java
↓                                    ⟨ sql      util ⟩
java.sql.* ;                          (Date)   (Date)
```
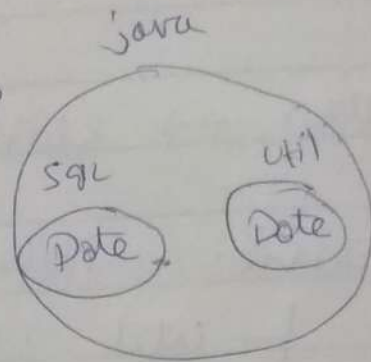
java.io

1) Naming conflict

2) Modularity

3) Maintainability

4) Security → 👤 [ ] →Package
           x
         user.

cwd → current working directory

─────── x ───────

Package

It is an encapsulation mechanism.

eg:
```
Package com.vigneth.ocja;
Public class Test
{
    P.s.v.m (string[] ass)
    { }
}
```
[Compile] →

2) Import point about
   Package statement

order

```
1) [ Package statement → At most
                            one
                            in program
2)   Import statement  → Anynome
                            number
3)   class/interface/enum → Anynumber ]
```

eg 1) package pkg;
    2) import java.util.* ;
    3) class Test
       {
       ...
       }

1) javac Test.java
              ↓
   after   CWD
   dir Test.java   ⊢ Test.java

2) javac -d . Test.java
            ↓
   CWD   destination
   ⊢ com   current working directory
      ⊢ vigneth
         ⊢ ocja
            ⊢ Test.class.

3) Java Source File structure → Class level Modifier Public
and default

Modifier → described the body of class.
↓

Public → Anywhere   (Public) → class Test

Abstract → Object of class   (abstract) {
     is not created   (Final)   3

```
( Public        |  private
  <default>     |
  abstract    + |  protected
  final         |  static
  structp       |
)
```

eg:

Package Pack 1;	Package Pack 2; only
[Public] class A	[import Pack 1;] → by
{	public class B this
. . .	{ we can
3	create
	P.s.v.m (string[] args)
	{
	A a = new A()
	3
	3