CS 213 – Software Methodology

Spring 2019
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Lecture 12 – Mar 5 Packages/Access Levels

Access Levels/Visibility

```
package abcpackage;

public class A {
    private int apriv;
    protected int aprot;
    int apack;
    ...
}
```

```
package abcpackage;

class B {
   int bpack;
   public void m() {
      A a = new A();
      a.aprot=10;
}

ok, same package
```

```
package abcpackage;

class C extends B {
  public void m() {
    A a = new A();
    a.apriv = 10;
    a.apack = 15;
    B b = new B();
    ok, same package
    bpack = 5;
    ok, same package,
    inherited
}
```

```
package defpackage;
import abcpackage.*;
public class F
   extends A {
   public void m() {
        A a = new A();
        -a.aprot=5;
   }
}
apackand aprot
are not visible via a
```

```
package defpackage;
import abcpackage.*
public class E {
    B b;
}
B in different
package, not visible because it
Is declared as package level accessible only
```