Static member functions

- A class C *inherits* from its direct superclass all concrete methods m (both static and instance) of the superclass

- No method declared in C has same signature

- Ref:http://docs.oracle.com/javase/specs/jls/se8/html/jls-8.html#jls-8.4.8

Example

```
class Parent {
  public static void f1()
  { System.out.println("hello"); }
 }
class Child extends Parent{
  public static void f1()
   { System.out.println("yo man");}
}
public class Example {
 public static void main(String[]args) {
   Child.f1();
 }
}
```

Remember

- [ ] **It is a compile-time error if a** static **method hides an instance method**
- [ ] **It is a compile-time error if an instance method overrides a** static **method.**

Static member variables

```
class Parent
{
    static int y=4;
}
class Child extends Parent
{
  static
  { y=5; }
}
public class Example
{
 public static void main(String[]args)
 {
    System.out.println("y="+Child.y);  //y=4
 }
}
```

Static member variables do not inherit

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