Slide # 14

```
scala> class Person {
     | private var age = 20
     | }
defined class Person
```

```
scala> :javap -private Person
Compiled from "<console>"
public class Person {
  private int age;
  public final $iw $outer;
  private int age();
  private void age_$eq(int);
  public $iw $line14$$read$Person$$$outer();
  public Person($iw);
}
```

```
scala> class Person (var age: Int) {}
defined class Person

scala> :java -private Person
Compiled from "<console>"
public class Person {
  private int age;
  public final $iw $outer;
  public int age();
  public void age_$eq(int);
  public $iw $line16$$read$Person$$$outer();
  public Person($iw, int);
}

scala> val person = new Person
<console>:24: error: not enough arguments for constructor Person: (age: Int)Person.
Unspecified value parameter age.
       val person = new Person
                        ^
```

Slide # 15

```
scala> val person = new Person (20)
person: Person = Person@36cdcae0

scala> person.age
res0: Int = 20

scala> person.age = 40
person.age: Int = 40
```

Slide # 16

```
scala> class Person (name: String) {}
defined class Person

scala> :java -private Person
Compiled from "<console>"
public class Person {
  public final $iw $outer;
  public $iw $line21$$read$Person$$$outer();
  public Person($iw, java.lang.String);
}
```

Slide # 17

```
scala> class Person (val age: Int) {}
defined class Person
```

```
scala> :java -private Person
Compiled from "<console>"
public class Person {
  private final int age;
  public final $iw $outer;
  public int age();
  public $iw $line22$$read$Person$$$outer();
  public Person($iw, int);
}
```

Slide # 18

```
scala> class Person (private val age: Int){}
defined class Person

scala> :java -private Person
Compiled from "<console>"
public class Person {
  private final int age;
  public final $iw $outer;
  private int age();
  public $iw $line23$$read$Person$$$outer();
  public Person($iw, int);
}
```

```
scala> class Person(private var age: Int) {}
defined class Person

scala> :java -private Person
Compiled from "<console>"
public class Person {
  private int age;
  public final $iw $outer;
  private int age();
  private void age_$eq(int);
  public $iw $line24$$read$Person$$$outer();
  public Person($iw, int);
}
```

Slide # 19

```
scala> import scala.beans.BeanProperty
import scala.beans.BeanProperty

scala> class Person (@BeanProperty var age: Int) {}
defined class Person

scala> :java -private Person
Compiled from "<console>"
public class Person {
  private int age;
  public final $iw $outer;
  public int age();
  public void age_$eq(int);
  public void setAge(int);
  public int getAge();
  public $iw $line26$$read$Person$$$outer();
  public Person($iw, int);
}
```

```
scala> class Person (@BeanProperty val age: Int) {}
defined class Person

scala> :java -private Person
Compiled from "<console>"
public class Person {
  private final int age;
  public final $iw $outer;
  public int age();
  public int getAge();
  public $iw $line27$$read$Person$$$outer();
  public Person($iw, int);
}
```

Slide # 20

```
scala> class Person(private[this] val age: Int) {}
defined class Person

scala> :java -private Person
Compiled from "<console>"
public class Person {
  public final $iw $outer;
  public $iw $line28$$read$Person$$$outer();
  public Person($iw, int);
}
```

```
scala> class Person(private val age: Int) {}
defined class Person

scala> :java -private Person
Compiled from "<console>"
public class Person {
  private final int age;
  public final $iw $outer;
  private int age();
  public $iw $line29$$read$Person$$$outer();
  public Person($iw, int);
}
```

Slide # 21

```
scala> class Person(age: Int) {}
defined class Person

scala> :java -private Person
Compiled from "<console>"
public class Person {
  public final $iw $outer;
  public $iw $line30$$read$Person$$$outer();
  public Person($iw, int);
}
```

```
scala> class Person(age: Int) {
     |   def showAge() {
     |     println(age)
     |   }
     |
     | }
defined class Person

scala> val person = new Person(20)
person: Person = Person@1c80f8dd

scala> :java -private Person
Compiled from "<console>"
public class Person {
  private final int age;
  public final $iw $outer;
  public void showAge();
  public $iw $line32$$read$Person$$$outer();
  public Person($iw, int);
}
```

Slide # 22

```
scala> class Person(var age: Int) {
     |   println("Executing Primary constructor")
     |
     | def showAge() {
     |   println(age)
     |   }
     | }
defined class Person

scala> val person = new Person(20)
Executing Primary constructor
person: Person = Person@4cd079fe
```

```
scala> :java -private Person
Compiled from "<console>"
public class Person {
  private int age;
  public final $iw $outer;
  public int age();
  public void age_$eq(int);
  public void showAge();
  public $iw $line34$$read$Person$$$outer();
  public Person($iw, int);
}

scala> person.showAge
20
```

Slide # 23

```scala
scala> class Person(var age: Int) {
     |   println("Executing Primary constructor Line 1")
     | println("Executing Primary constructor Line 2")
     |
     | def showAge() {
     |   println(age)
     |   }
     | }
defined class Person

scala> val person = new Person(20)
Executing Primary constructor Line 1
Executing Primary constructor Line 2
person: Person = Person@51ac72f7
```