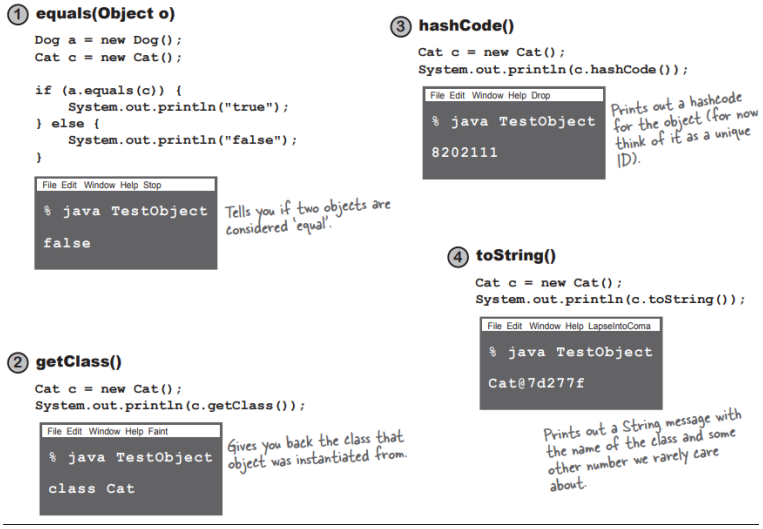
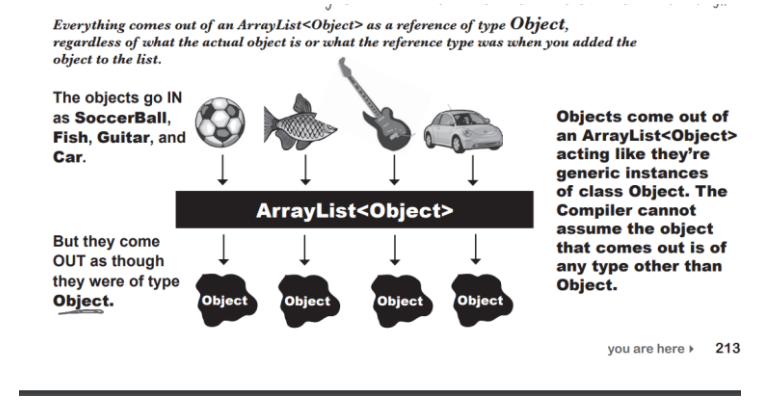
CHAPTER -8

Interfaces and Abstract Classes(EXERCISE)





EXERCISE

2.What's the Declaration?

2. public abstract class Top { }
   public class Tip extends Top { }

3. public abstract class Fee { }
   public abstract class Fi extends Fee { }

4. public interface Foo { }
   public class Bar implements Foo { }
   public class Baz extends Bar { }

5. public interface Zeta { }
   public class Alpha implements Zeta { }
   public interface Beta { }
   public class Delta extends Alpha implements Beta { }

3.POOL PUZZLE

```
interface Nose {
public int iMethod() ;
}
abstract class Picasso implements Nose {
   public int iMethod() {
       return 7; }
}
class Clowns extends Picasso { }
  class Acts extends Picasso {
       public int iMethod() {
              return 5; }
}
public class Of76 extends Clowns {
  public static void main(String[] args) {
     Nose[] i = new Nose [3] ;
      i[0] = new Acts() ;
      i[1] = new Clowns() ;
      i[2] = new Of76() ;
    for (int x = 0; x < 3; x++) {
       System.out.println(i[x].iMethod() + " " + i[x].getClass());
    }
  }
}
```

OUTPUT

```
5 class Acts
7 class Clowns
7 class Of76
```