## Short answer

#### A

ArrayList extends AbstractList<E>, implements List<E>, RandomAccess, Cloneable, Serializable, Collection<E>, Iterable<E>

#### B

Because in method java.util.ArrayList#contains(Object o), the equals(Object o) was used, and class Employee didn’t override this method. So there are no common elements in the two list.

#### C

The default hashCode() was called, and we have to implement the hashCode.

#### D

If two objects are equals, they should have the same hashCode value.

#### E

When type D is a class, there will be compile error to implements two interfaces with different implements of the same signature method.

When type D is an interface, it will have to either rewrite the method or declare it as an abstract method.