```
1) List<String> list = new ArrayList<String>();
Legal
2) List<String> list = new ArrayList<>();
Legal
3) List<Object> list = new ArrayList<String>();
Illegal
4) ArrayList<Object> list = new ArrayList<String>();
Illegal
5) ArrayList<String> list = new ArrayList<Object>();
Illegal
6) ArrayList list = new ArrayList<String>();
Legal
7) ArrayList<String> list = new ArrayList();
Legal
8) ArrayList<String> stringList = null;
  ArrayList<? extends String> extendsStringList = stringList;
Legal
9) ArrayList<?> list = new ArrayList<Number>();
Legal
10) ArrayList<? extends Number> extendsList = null;
   ArrayList<? super Number> superList = extendsList;
Illegal
```

```
11) ArrayList<? super Number> superNumList = null;
  ArrayList<? super Integer> superIntList = superNumList;
Legal
12) ArrayList<Object> list = new ArrayList<Object>();
   list.add("Hello");
Legal
13) ArrayList<?> list = new ArrayList<String>();
  list.add("Hello");
Illegal
14) ArrayList<? super Integer> list= new ArrayList<Integer>();
  list.add(1);
Legal
15) ArrayList<? extends Number> list= new ArrayList<Integer>();
   list.addAll(new ArrayList<Integer>());
Illegal
16) ArrayList<? super Integer> superIntList = new ArrayList<Number>();
   ArrayList<? extends Integer> extendsIntList = new ArrayList<Integer>();
   extendsIntList.addAll(superIntList);
Illegal
17) ArrayList<Integer> intList = new ArrayList<Integer>();
    intList.add(new Integer(1));
    ArrayList<? extends Number> extendsNumList= intList;
    Integer integer = extendsNumList.get(o);
Illegal
18) ArrayList<String>[] twoDimArray = new ArrayList <String>[10];
Illegal
19) Pair<String, String>[] array = new Pair[2];
    array[0] = new Pair<String, String>("1", "y");
```

```
array[1] = new Pair(true, false);
Legal

20) Pair<?,?>[] array = new Pair<?,?>[2];
    array[0] = new Pair<Integer,Integer>(0,0);
    array[1] = new Pair<String,String>("Hello","There");
Legal
```