

```
class Box<T> extends ..>{
    T field;

    void set(T obj){
        this.obj=obj;
    }

    T get(){
        return obj;
    }
}
```

```
T get(){
return field;
}
void method(){

}

}
```

```
class Employee{
int empid;           Employee arr[5];
String name;
double salary;
```

```
accept();
display();
sort();
}

int main(){
Employee e1;
cin>>e1;

Employee e2;
cin>>e2;
}
```

```
class Car{
}

class Point{
}

class Product{
}
```

```
interface Acceptable{
    accept();
    display();
}
```

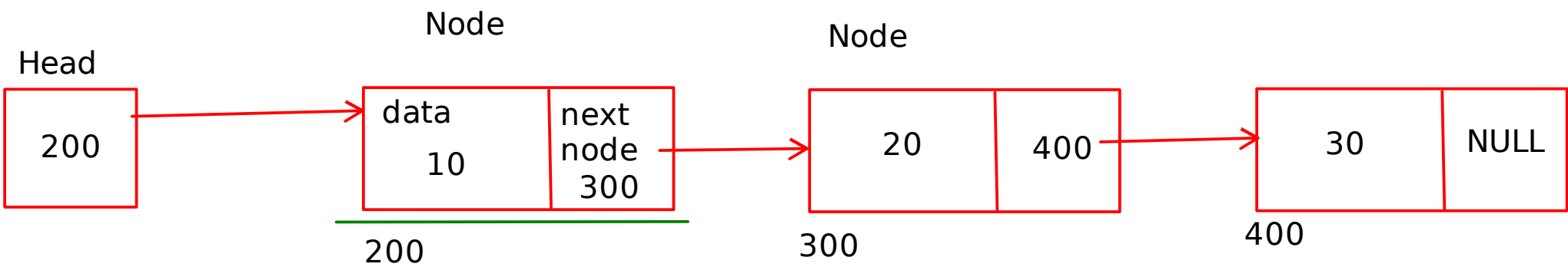
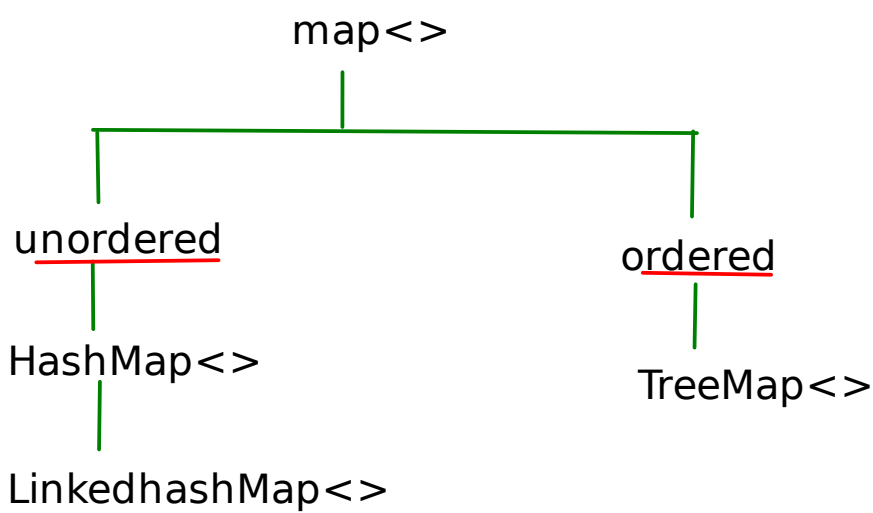
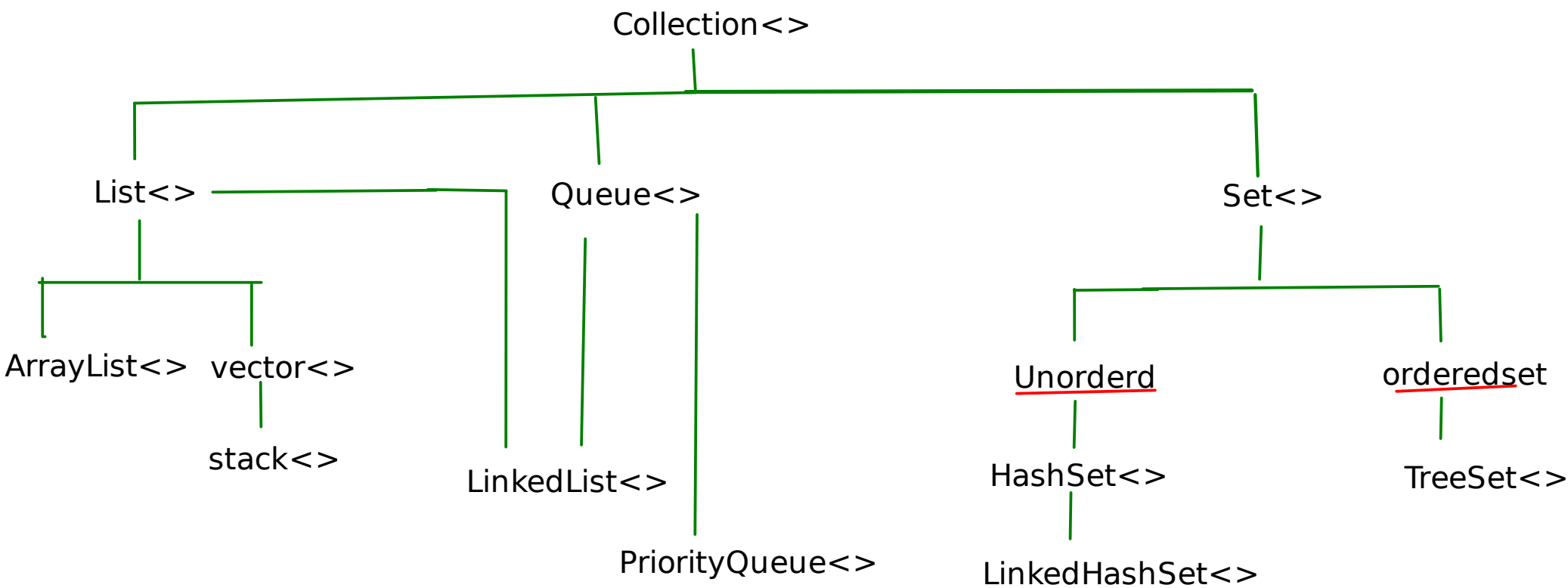
```
interface Displayable<>{
}
```

```
//Date d1 = new Date();
a1 = new Date();
a1.accept();
a1.display();
```

<pre> class Array<T> implements List<T> { add(T element){ } remove(){ } T get(){ } } </pre>	<pre> class Vector<T> implements List<T> { add(T element){ } remove(){ } T get(){ } } </pre>	<pre> class LinkedList<T> implements List<T> { add(T element){ } remove(){ } T get(){ } } </pre>	<pre> interface List<T>{ add(T element); remove(); T get(); } </pre>
<pre> Array<Double> a1 = new Array<>(); a1.add(10.20); double e = a1.getElement(); List<Double> l1 = new Vector<>(); l1.add(10.20); double e = l1.get(); </pre>		<pre> Vector<Double> v1 = new Vector<>(); v1.addData(10.20); double e = v1.getData(); </pre>	
<pre> interface Comparable<T>{ int compareTo(T o); } </pre>		<pre> interface Comparator<T>{ int compare(T o1, T o2); } </pre>	
<pre> class Point2D{ int x; int y; void compare(Point p){ //this } } </pre>	<pre> class Comparision imple Comparator { void compare(Point p1, Point p2){ if(p1.x > p2.x) sysout(point 1 is greater) if(p1.x<p2.x) sysout(point 2 is greater) else sysout("equal"); } } </pre>	<pre> Point p1 = new Point(2,3); Point p2 = new Point(3,4); Comaparision c1 = new Comaparision() c1.compare(p1,p2); //p1.compare(p2); </pre>	
<pre> <T>void sort(T[] arr){ Comparable c1 = (Comparable) arr[0]; // employee } c1.compareTo(arr[1]) sal -> Desc, name ->asc 5000 - prashant 4000 - rahul 3500 - onkar 3500 - vrushab 3000 - pratik </pre>			<pre> int compareTo(Employee obj){ this>obj return +ve this<obj return -ve return 0; } </pre>

OOP -> Java(Exceptions)
Java Features
Generics, Collection Framework, Java 8 interfaces, functional interface, function programming
(lamda empresions)
java i/o, java nio,Streams, Annotations, Reflection, MultiThreading, JDBC

Collection Framework
Data Structures



Iterator itr;

