Q) Group Employee by using Department and find highest salary of each department?

```
import java.util.Arrays;
import java.util.Comparator;
import java.util.List;
import java.util.Map;
import java.util.Optional;
import java.util.stream.Collectors;
* Group Employee by using Department and find highest salary of each
  department?
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*Output: {hr=Employee [id=103, name=kiran, dept=hr, salary=50000.0],
           it=Employee [id=102, name=ram, dept=it, salary=90000.0]}
*/
class Employee{
       Integer id;
       String name;
       String dept;
       Double salary;
       public Employee() {
       public Employee(Integer id, String name, String dept, Double salary) {
              super();
              this.id = id;
              this.name = name;
              this.dept = dept;
              this.salary = salary;
       public Integer getId() {
              return id;
       public void setId(Integer id) {
              this.id = id;
       public String getName() {
              return name;
       public void setName(String name) {
              this.name = name;
       public String getDept() {
              return dept;
       public void setDept(String dept) {
```

```
this.dept = dept;
       public Double getSalary() {
              return salary;
       public void setSalary(Double salary) {
              this.salary = salary;
       @Override
       public String toString() {
              return "Employee [id=" + id + ", name=" + name + ", dept=" + dept + ",
salary=" + salary + "]";
       }
}
public class Test{
       public static void main(String[] args) {
   List<Employee> list= Arrays.asList(new Employee(101, "sankar", "hr", 20000D),
                        new Employee(102, "ravi", "it", 30000D),
                        new Employee(102, "ram", "it", 70000D),
                        new Employee(102, "durga", "it", 90000D),
                        new Employee(103, "kiran", "hr", 40000D),
                        new Employee(104, "sam", "hr", 50000D)
                       );
   Map<String, Optional<Employee>> map
=list.stream().collect(Collectors.groupingBy(Employee::getDept,
               Collectors.maxBy(Comparator.comparingDouble(Employee::getSalary))));
   System.out.println(map);
       }
}
```