第一大题：

package test;  
  
import java.util.ArrayList;  
import java.util.Comparator;  
import java.util.List;  
import java.util.Collections;  
public class Student {  
 String name;  
 int age;  
 int score;  
 String stu\_class;//学生班级  
 public Student(String name,int age,int score,String stu\_class){  
 this.name = name;  
 this.age = age;  
 this.score = score;  
 this.stu\_class = stu\_class;  
 }  
 public String getName(){  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public int getAge() {  
 return age;  
 }  
  
 public void setAge(int age) {  
 this.age = age;  
 }  
  
 public int getScore() {  
 return score;  
 }  
  
 public void setScore(int score) {  
 this.score = score;  
 }  
  
 public String getStu\_class() {  
 return stu\_class;  
 }  
  
 public void setStu\_class(String stu\_class) {  
 this.stu\_class = stu\_class;  
 }  
  
 public static void main(String[] args) {  
 ArrayList<Student> list1 = new ArrayList<Student>();  
 ArrayList<Student> list2 = new ArrayList<Student>();  
 ArrayList<Student> list3 = new ArrayList<Student>();  
 Student stu1 = new Student("张三",18,80,"1班");  
 Student stu2 = new Student("李四",19,100,"1班");  
 Student stu3 = new Student("王五",17,59,"1班");  
 Student stu4 = new Student("赵六",18,85,"2班");  
 Student stu5 = new Student("刘七",19,93,"2班");  
 Student stu6 = new Student("孙八",17,55,"2班");  
 list1.add(stu1);  
 list1.add(stu2);  
 list1.add(stu3);  
 list2.add(stu4);  
 list2.add(stu5);  
 list2.add(stu6);  
 */\*\*  
 \* 第一题  
 \*/* list3.addAll(list1);  
 list3.addAll(list2);  
 System.*out*.println("排序前-----");  
 for (Student D:list3){  
 System.*out*.println(D.getName() + " " + D.getAge() +" " + D.getScore() + " " + D.getStu\_class());  
 }  
 //对list进行分数排序  
 System.*out*.println("排序后-----");  
  
 Student temp;  
 for(int i=0;i<list3.size()-1;i++) {  
 for(int j=i+1;j<list3.size();j++){  
 if(list3.get(i).getScore()>list3.get(j).getScore())  
 {  
 temp=list3.get(j);  
 list3.set(j,list3.get(i));  
 list3.set(i,temp);  
 }  
 }  
 }  
  
 */\*\*  
 \* 第二题  
 \*/* for(Student x:list3) {  
 System.*out*.println(x.getName() + " " + x.getAge() +" " + x.getScore() + " " + x.getStu\_class());  
 }  
 */\*\*  
 \* 第三题  
 \*/* System.*out*.println("输出不及格的学生");  
 for (Student xx:list3){  
 if(xx.getScore()<60){  
 System.*out*.println(xx.getName() + " " + xx.getAge() +" " + xx.getScore() + " " + xx.getStu\_class());  
 }  
 }  
 //第四题  
 System.*out*.println("查找张三信息");  
 for (Student xxx:list3){  
 if(xxx.getName()=="张三"){  
 System.*out*.println(xxx.getName() + " " + xxx.getAge() +" " + xxx.getScore() + " " + xxx.getStu\_class());  
 }  
 }  
 //第五题  
 System.*out*.println("剔除大于18岁学生");  
  
 for(int s=0;s<list3.size();s++){  
 if(list3.get(s).getAge()>18){  
 list3.remove(s);  
 s--;  
 }  
 }  
 for (Student xxxx2:list3){  
 System.*out*.println(xxxx2.getName() + " " + xxxx2.getAge() +" " + xxxx2.getScore() + " " + xxxx2.getStu\_class());  
 }  
  
 }  
  
}

第二大题map方法：

package test;  
  
import java.util.\*;  
  
public class Student2 {  
 public static void main(String[] args) {  
  
  
 Map<String, Object> map1 = new HashMap<String, Object>();  
 Map<String, Object> map2 = new HashMap<>();  
 Map<String, Object> map3 = new HashMap<>();  
 Map<String, Object> map4 = new HashMap<>();  
 Map<String, Object> map5 = new HashMap<>();  
 Map<String, Object> map6 = new HashMap<>();  
 map1.put("name","张三");  
 map1.put("age",18);  
 map1.put("score",80);  
 map1.put("stu\_class","1班");  
 map2.put("name","李四");  
 map2.put("age",19);  
 map2.put("score",100);  
 map2.put("stu\_class","1班");  
 map3.put("name","王五");  
 map3.put("age",17);  
 map3.put("score",59);  
 map3.put("stu\_class","1班");  
 map4.put("name","赵六");  
 map4.put("age",18);  
 map4.put("score",85);  
 map4.put("stu\_class","2班");  
 map5.put("name","刘七");  
 map5.put("age",19);  
 map5.put("score",93);  
 map5.put("stu\_class","2班");  
 map6.put("name","孙八");  
 map6.put("age",17);  
 map6.put("score",55);  
 map6.put("stu\_class","2班");  
 List<Map<String,Object>> listmap=new ArrayList<Map<String, Object>>();  
 listmap.add(map1);  
 listmap.add(map2);  
 listmap.add(map3);  
 listmap.add(map4);  
 listmap.add(map5);  
 listmap.add(map6);  
 System.*out*.println("排序前");  
 for(Map<String,Object> c:listmap){  
 System.*out*.println( c.get("name") + " " + c.get("age")+ " " +c.get("score")+" "+c.get("stu\_class"));  
 }  
 //对学生成绩进行排序  
 if (listmap != null && listmap .size() > 1) {  
 Collections.*sort*(listmap , new Comparator<Map<String, Object>>() {  
  
 public int compare(Map<String, Object> o1, Map<String, Object> o2) {  
 Integer o1Value = Integer.*valueOf*(o1.get("score").toString());  
 Integer o2Value = Integer.*valueOf*(o2.get("score").toString());  
 return o2Value.compareTo(o1Value);  
 }  
 });  
 }  
 System.*out*.println("排序后");  
 for(Map<String,Object> c:listmap){  
 System.*out*.println( c.get("name") + " " + c.get("age")+ " " +c.get("score")+" "+c.get("stu\_class"));  
 }  
 System.*out*.println("输出不及格学生");  
 for(Map<String,Object> cc:listmap){  
 if(Integer.*valueOf*(cc.get("score").toString())<60){  
 System.*out*.println( cc.get("name") + " " + cc.get("age")+ " " +cc.get("score")+" "+cc.get("stu\_class"));  
  
 }  
 }  
 System.*out*.println("查找张三信息");  
 for(Map<String,Object> cc:listmap){  
 if(cc.get("name")=="张三"){  
 System.*out*.println( cc.get("name") + " " + cc.get("age")+ " " +cc.get("score")+" "+cc.get("stu\_class"));  
  
 }  
 }  
 //删除大于18岁学生  
 for(int i=0;i<listmap.size();i++){  
 if(Integer.*valueOf*(listmap.get(i).get("age").toString())>18){  
 listmap.remove(i);  
 i--;  
  
 }  
 }  
 System.*out*.println("剔除18岁的学生后的输出");  
 for(Map<String,Object> ccc:listmap){  
  
 System.*out*.println( ccc.get("name") + " " + ccc.get("age")+ " " +ccc.get("score")+" "+ccc.get("stu\_class"));  
  
  
 }  
 }  
}

第三大题

public class goods {  
 */\*\*  
 \* 商品ID  
 \*/* public String goods\_id;  
 */\*\*  
 \* 商品名称  
 \*  
 \*/* public String goods\_name;  
 */\*\*  
 \* 商品类型  
 \*/* public String good\_type;  
 */\*\*  
 \* 商品价格  
 \*/* public BigDecimal price;  
  
 */\*\*  
 \* 商品参数  
 \*/* List goods\_parameter;  
   
}

public class Order {  
 */\*\*  
 \* 订单编号  
 \*/* public String orderCode;  
 */\*\*  
 \* 创建时间  
 \*/* public String createTime;  
 */\*\*  
 \* 付款时间  
 \*/* public String payTime;  
 */\*\*  
 \* 账户交易号  
 \*/* public String userCode;  
 */\*\*  
 \* 收货人  
 \*/* public String buy\_name;  
 */\*\*  
 \* 收货地址  
 \*/* public String user\_address;  
 */\*\*  
 \* 商品号  
 \*/* public String goods\_id;  
  
}