

Correction TP5 POO

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// 1. class Tableau -----  
public class Commande {  
    private int numCommande;  
    private String dateCommande;  
    private String nomFournisseur;  
  
    public Commande(int numCommande, String dateCommande, String nomFournisseur) {  
        this.numCommande = numCommande;  
        this.dateCommande = dateCommande;  
        this.nomFournisseur = nomFournisseur;  
    }  
  
    @Override  
    public String toString() {  
        return "Commande{" + "numCommande=" + numCommande + ", dateCommande=" +  
dateCommande + ", nomFournisseur=" + nomFournisseur + '}';  
    }  
  
    @Override  
    public boolean equals(Object o) {  
        Commande c=(Commande)o;  
        if  
(numCommande==c.numCommande&&dateCommande.equals(c.dateCommande)&&nomFournisseur.  
equals(c.nomFournisseur))  
            return true;  
        else  
            return false;  
    }  
    public int getNumCommande() {  
        return numCommande;  
    }  
    public String getDateCommande() {  
        return dateCommande;  
    }  
  
    public String getNomFournisseur() {  
        return nomFournisseur;  
    }  
  
    public void setNumCommande(int numCommande) {  
        this.numCommande = numCommande;  
    }  
}
```

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    public void setDateCommande(String dateCommande) {
        this.dateCommande = dateCommande;
    }

    public void setNomFournisseur(String nomFournisseur) {
        this.nomFournisseur = nomFournisseur;
    }

}

// 2. class Client -----
public class Client {
    private String code;
    private String nom;
    private String prenom;
    private String tel;
    private List<Commande> listCommandes;

    public Client(String code, String nom, String prenom,String tel) {
        this.code = code;
        this.nom = nom;
        this.prenom = prenom;
        this.tel=tel;
        listCommandes=new Vector<Commande>();
    }

    public boolean enregistrerCommande (Commande cmd)
    {
        if(listCommandes.indexOf(cmd)>=0&&listCommandes.indexOf(cmd)<listCommandes.size())
            return false;
        listCommandes.add(cmd);
        return true;
    }

    public boolean supprimerCommande (int position)
    {
        for (int i=0;i<listCommandes.size();i++)
        {
            if(listCommandes.get(i).getNumCommande()==position)
            {
                listCommandes.remove(i);
                return true;
            }
        }
        return false;
    }
}

```

```

public void trierCommandes (){
    Collections.sort(listCommandes,new Comparator<Commande>(){
        @Override
        public int compare(Commande c1, Commande c2) {
            return c1.getNomFournisseur().compareTo(c2.getNomFournisseur());
        }
    });
}
public String toString() {
    String liste="";
    for (int i=0;i<listCommandes.size();i++)
    {
        liste = liste + "\n "+listCommandes.get(i);
    }
    return "Client : " + "code=" + code + ", nom=" + nom + ", prenom=" + prenom
        + "\n la liste des Commandes: "+ liste+".";
}
}

```

// 2. class Main-----

```

public class Main {
    public static void main(String[] args) {
        Commande c1=new Commande(1,"26/01/2015","lait de lux");
        Commande c2=new Commande(2,"09/03/2015","Binfomat");
        Commande c3=new Commande(3,"09/03/2015","Ainfomat");
        Commande c4=new Commande(4,"09/03/2015","Sahar");
        Commande c5=new Commande(5,"09/03/2015","webApp");
        Commande c6=new Commande(6,"09/03/2015","Mat");
        Client cl1 =new Client("C1","mohammed","kassam","0665673454");
        Client cl2 =new Client("C2","khadija","khadija","F2");
        cl1.enregistrerCommande(c1);
        cl1.enregistrerCommande(c2);
        cl1.enregistrerCommande(c3);
        cl2.enregistrerCommande(c4);
        cl2.enregistrerCommande(c5);
        cl2.enregistrerCommande(c6);
        cl1.trierCommandes();
        cl2.trierCommandes();
        System.out.println(cl1);
        System.out.println(cl2);
    }
}

```