

Correction TP2 POO

// 1. class Personne-----

```
public class Personne {
    private String nom;
    private String prenom;

    public Personne(String nom, String prenom) {
        this.nom = nom;
        this.prenom = prenom;
    }
    public String toString() {
        return "nom=" + nom + ", prenom=" + prenom;
    }
    //getters
    public String getNom() {
        return nom;
    }

    public String getPrenom() {
        return prenom;
    }
}
```

//2 class Client-----

```
public class Client extends Personne{
    private String codeCl;
    private String tel;

    public Client(String codeCl, String nom, String prenom, String tel) {
        super(nom, prenom);
        this.codeCl = codeCl;
        this.tel = tel;
    }
    public String toString() {
        return super.toString() + " codeCl=" + codeCl + ", tel=" + tel + " ";
    }
    public String getNomprenom(){
        return getNom()+" "+getPrenom();
    }

    public String getCodeCl() {
        return codeCl;
    }
}
```

```

    public String getTel() {
        return tel;
    }
}
//3 class ClientFidel-----
public class ClientFidel extends Client{
    private float tauxReduction;

    public ClientFidel(String codeCl, String nom, String prenom, String tel, float tauxReduction){
        super(codeCl, nom, prenom, tel);
        this.tauxReduction = tauxReduction;
    }
    public String toString() {
        return super.toString() + "tauxReduction=" + tauxReduction;
    }
    public void incrementerTaux(int pas) {
        tauxReduction = tauxReduction + pas;
    }
}

```

//4 class Main-----

```

public class Main {

    public static void main(String[] args) {
        // Créer deux objets de type Client l'un instancié sur la classe Client l'autre sur la classe ClientFidel.
        Client c1 = new Client("A1", "faouzi", "houda", "06556578");
        ClientFidel c2 = new ClientFidel("A2", "moufid", "said", "065433228", 2.34f);
        // Afficher ces 2 objets.
        System.out.println(c1);
        System.out.println(c2);
        // Afficher les informations de ces 2 objets sous forme nom + prenom + tel
        System.out.println(c1.getNomprenom() + " " + c1.getTel());
        System.out.println(c2.getNomprenom() + " " + c2.getTel());
    }
}

```