## Correction TP3 POO

```
// 1. class Eleve-----
 public class Eleve{
  private String nom;
  private double note;
  public Eleve (String nom, double note) {
    setNom(nom);
    setNote(note);
  }
  public String to String() {
    return "\n nom= " + nom + ", note= " + getNote() + " ";
  public double getNote(){ return note;}
  public void setNote(double note) { this.note = note; }
  public void setNom(String nom){ this.nom = nom;}
  publicStringgetNom() { return nom; }
}
//2 interface Istatistique-----
public interface Istatistique {
 public double moyenne ();
}
//3 class Notes-----
public class Notes implements Istatistique{
  String matiere;
  Eleve tab[];
  int nbre Eleves;
public Notes (String m){
  matiere=m;
  tab=new Eleve[14];
}
public String to String(){
  String valeur="matiere="+matiere +", les éléves: ";
  for(int i=0; i<nbreEleves;i++)</pre>
  valeur=valeur+tab[i];
  return valeur;
}
public void ajouter(Eleve e){
   tab[nbreEleves]=e;
   nbreEleves++;
 }
```

```
public double moyenne() {
    double som=0;
    for(int i=0; i<nbreEleves;i++)</pre>
     som=som+tab[i].getNote();
    return som/nbreEleves;
 }
}
//4 class Main-----
public class Main {
public static void main(String[] args) {
    Notes n = new Notes("POO");
    Eleve E1=new Eleve("ahmed",14);
    Eleve E2=new Eleve("hoda",12);
    Eleve E3=new Eleve("mohamed",16);
    n.ajouter(E1);
    n.ajouter(E2);
    n.ajouter(E3);
    System.out.println(n+"\n la moyenne:"+n.moyenne());
  }
}
Après l'exécution le système affiche:
matiere=POO, les éléves:
nom= ahmed, note= 14.0
nom= hoda, note= 12.0
nom= mohamed, note= 16.0
```

la moyenne: 14.0