Devoir de TP POO (Baaziz Youssef)

Exercice 2:

• Personne.java

Adherent.java

Auteur.java

Livre.java

Main.java

```
package exercice2;

no usages
public class main {

no usages
public static void main(String[] args) {
    // TODO Auto-generated method stub

Adherent ad = new Adherent("youssef", "baaziz", "youssefbz@gmail.com", "087756585",22,002);
Auteur auteur = new Auteur("anas", "lkwifa", "lkwifa23@gmail.com", "9988674543",52,003);
Livre livre = new Livre(21, "basatin arbistan", auteur);

System.out.println("------info of adherent -----");
System.out.println(ad.toString());

System.out.println("-------info of livre -----");
System.out.println(livre.toString());
}
```

Exercice 3:

• Vehicule.java

```
package exercice3;

no usages
public class Vehicule {

2 usages
private String nom;
2 usages
private double prix;

no usages
public Vehicule() {
}

no usages
public Vehicule(String nom, double prix) {

super();
this.nom = nom;
this.prix = prix;
}

no usages
public void emettreSon() { System.out.println("Le véhicule émet un son inconnu."); }

no usages
public String afficherInformations() { return "nom : "+nom+" prix : "+prix; }

24
25
}
```

Voiture.java

```
package exercice3;

no usages
public class Voiture extends Vehicule{

2 usages
private String modele, annee;

no usages
public Voiture(String nom, double prix, String modele, String annee) {
    super(nom, prix);
    this.modele = modele;
    this.annee = annee;
}

no usages
public void emettreSon() { System.out.println("La voiture vrombit"); }

no usages
@Override
public String toString() { return " modele=" + modele + ", annee=" + annee; }

2
}
```

Moto.java

```
package exercice3;

no usages
public class Moto extends Vehicule{

2 usages
private String marque, puissance;

no usages

public Moto(String nom, double prix, String marque, String puissance) {
    super(nom, prix);
    this.marque = marque;
    this.puissance = puissance;
}

no usages
public void emettreSon() { System.out.println("La moto rugit"); }

no usages
@Override
public String toString() { return " marque=" + marque + ", puissance=" + puissance; }

21
22
23
}
```

Avion.java

```
package exercice3;

no usages
public class Avion extends Vehicule{

2 usages
private String compagnie, vitesseMax;

no usages
public Avion(String nom, double prix, String compagnie, String vitesseMax) {

super(nom, prix);
this.compagnie = compagnie;
this.vitesseMax = vitesseMax;
}

no usages
public void emettreSon() { System.out.println("L'avion fait un bruit de moteur puissant"); }

no usages
@Override
public String toString() { return " compagnie=" + compagnie + ", vitesseMax=" + vitesseMax; }

21
22
23
}
```

Main.java

```
public class main {

no usages
public static void main(String[] args) {

// T000 Auto-generated method stub

Vehicule vh = new Vehicule("car", 2000);

Moto moto = new Moto("yamaha", 1700, "2024", "2000");

Voiture voiture = new Voiture("mercedes", 20000, "2024", "2009");

Avion avion = new Avion("yamaha", 90000, "2024", "2005");

System.out.println("------info of moto -----");

System.out.println(moto.afficherInformations()+moto.toString());

System.out.println("------info of voiture -----");

System.out.println("------info of avion ------");

System.out.println("------info of avion ------");

System.out.println("------son spécifique de moto ------");

moto.emettreSon();

System.out.println("------son spécifique de voiture ------");

voiture.emettreSon();

System.out.println("------son spécifique de avion ------");

avion.emettreSon();

System.out.println("------son spécifique de avion ------");

avion.emettreSon();
```

Exercice 4:

• Employe.java

• Ingenieur.java

```
package exercice4;

no usages

public class Ingenieur extends Employe{
    Juages
    private String specialite;

no usages

public Ingenieur() {
    Super(nom, prenom, email, telephone, salaire);
    this.specialite = specialite;
}

no usages

public Ingenieur(String nom, String prenom, String email, String telephone, double salaire, String specialite) {
    super(nom, prenom, email, telephone, salaire);
    this.specialite = specialite;
}

no usages
    goverride

public double calculerSalire() {
    double augmentation = super.salaire * 0.20;
    return super.salaire + augmentation;
}

no usages

public String getSpecialite() { return specialite; }

no usages
    goverride

public String telephone + ", salaire * ", nom=" + nom + ", prenom=" + prenom + ", email=" + email + ", telephones" + telephone + ", salaires" + salaire + "]";
}
```

Manager.java

Main.java

```
package exercice4;

no usages
public class main {

no usages
public static void main(String[] args) {
    // T000 Auto-generated method stub

Ingenieur ing = new Ingenieur("youssef", "lkwifa", "youssef@gmail.com", "06512342", 9000.0, "Dev Web");
    Manager manager = new Manager("anas", "hakimi", "anas@gmail.com", "07556432", 7000.0, "service informatique");

System.out.println("info de ingenieur");
    System.out.println(minfo de manager");

System.out.println(manager);

}

}
```

Exercice 5:

• Figure.java

• Cercle.java

Rectangle.java

• Triangle.java

Main.java