Shadan Khan 1876267 SDP lab3

Factory Pattern

```
EnemyShipFactory shipFactory = new EnemyShipFactory();
                                              EnemyShip theEnemy = null;
                                             System.out.println(st "What type of ship? (Ufo , Rocket , BigUfo)");
if (userInput.hasNextLine()) {
   String typeOfShip = userInput.nextLine();
J EnemyTesting.class
J EnemyTesting.java
                                                   if (theEnemy != null) {
                                                         doStuffEnemy(theEnemy);
                                          public static void doStuffEnemy(EnemyShip anEnemyShip) {
                                              anEnemyShip.displayEnemyShip();
                                               anEnemyShip.followHeroShip();
                                               anEnemyShip.enemyShipShoots();
                                                                                                                                                                                                              ⚠ The git repository at '/Users/kan
                            src > J EnemyShip.java > ...
                                      public abstract class EnemyShip {
                                         private String name;
private double amtDamage;
                                          public String getName() {
                                        public void setName(String newName) {
   name = newName;
                                        public double getDamage() {
    return amtDamage;
                                        public void setDamage(double newDamage) {
   amtDamage = newDamage;
}
                                        public void followHeroShip() {
    System.out.println(getName() + " is following the hero");
}
                                         public void displayEnemyShip() {
    System.out.println(getName() + " is on the screen");
                                         public void enemyShipShoots() {
    System.out.println(getName() + " attacks and does " + getDamage() + " damage to hero");
```

⚠ The git repository at '/Users/k

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Server.java src
J Computer.java...
J Computer.java...
J Computer.java...
J Computer.java...
J Computer.java...
J PC.java src
J Server.java src
J Client.java src
J Server.java src
J Server.java src
J Client.java...
J Client.java...
J Client.java...
J Client.java...
J Computer.java...
J Client.java...
J Client.java...
J Client.java...
J Client.java...
J Client.java...
J Computer.java...
J
```

```
src > J PC.java > ♣ PC > ♠ PC(String, String, String)
     public class PC extends Computer {
         private String ram;
         private String hdd;
         private String cpu;
         this.ram = ram;
this.hdd = hdd;
12 😯 }
         @Override
         public String getRAM() {
        return this.ram;
        @Override
        public String getHDD() {
        return this.hdd;
        @Override
       public String getCPU() {
        return this.cpu;
```

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J Computer.class

J Client.class

J Computer.java

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EXPLORER

mouterFactory.java

J FactoryProducer.java

J Client.java src
J Computerjava...
J PCFactory.java...
J PCFactory.java...
J PCFactory.java...
J PCFactory.java...
J PCFactory.java...
J Serverjava src
S Server extends Computer {

private String ram;
private String pdu;
private String pdu;
private String cpu;
public Server(String ram, String hdd, String cpu) {

this.ram = ram;
this.hdd = hdd;
this.ram = ram;
this.hdd = hdd;
this.ram;
}

Server is server extends Computer {

public Server(String ram, String hdd, String cpu) {

this.ram = ram;
this.hdd = hdd;
this.ram = ram;
this.hdd = hdd;
this.ram;
}
}

Server is server extends Computer {

private String ram;
private String cpu;
}

public Server(String ram, String hdd, String cpu) {

this.ram = ram;
this.hdd = hdd;
this.ram;
}
}

Server is server extends Computer {

public Server(String ram, String hdd, String cpu) {

this.ram = ram;
this.hdd = hdd;
this.ram;
}
}

Server is server extends Computer {

public Server(String ram, String hdd, String cpu) {

this.ram = ram;
this.hdd = hdd;
this.ram;
}
}

Server is server extends Computer {

private String ram;
private String cpu;
}

Server is server extends Computer {

public Server(String ram, String hdd, String cpu) {

this.ram = ram;
this.hdd = hdd;
this
```

Output: