4. Write a program in java to verify the implementations of constructor types.

**package** constructorverification;

**public** **class** ConstructorVerification {

**public** **static** **void** main(String[] args) {

// Creating objects using different constructors

// Constructor 1: No-argument constructor

Person person1 = **new** Person();

person1.display();

// Constructor 2: Constructor with parameters

Person person2 = **new** Person("Radha", 22);

person2.display();

// Constructor 3: Copy constructor

Person person3 = **new** Person(person2);

person3.display();

}

}

**class** Person {

**private** String name;

**private** **int** age;

// Constructor 1: No-argument constructor

**public** Person() {

name = "Unknown";

age = 0;

}

// Constructor 2: Constructor with parameters

**public** Person(String name, **int** age) {

**this**.name = name;

**this**.age = age;

}

// Constructor 3: Copy constructor

**public** Person(Person otherPerson) {

**this**.name = otherPerson.name;

**this**.age = otherPerson.age;

}

**public** **void** display() {

System.***out***.println("Name: " + name + ", Age: " + age);

}

}

Output:

