1.Write a java program code how to do cloning, let us take a class Organization, which has properties like organizationCode, organizationName and organizationAddress, and take method to print the object details.

class Organization implements Cloneable {

private String organizationCode;

private String organizationName;

private String organizationAddress;

public Organization(String code, String name, String address) {

this.organizationCode = code;

this.organizationName = name;

this.organizationAddress = address;

}

public void printDetails() {

System.out.println("Organization Code: " + organizationCode);

System.out.println("Organization Name: " + organizationName);

System.out.println("Organization Address: " + organizationAddress);

}

@Override

public Organization clone() {

try {

return (Organization) super.clone();

} catch (CloneNotSupportedException e) {

throw new RuntimeException(e);

}

}

}

public class Main {

public static void main(String[] args) {

Organization org1 = new Organization("ABC123", "Company A", "123 Street, City");

Organization org2 = org1.clone();

System.out.println("Original Organization:");

org1.printDetails();

System.out.println("\nCloned Organization:");

org2.printDetails();

}

}