

## 5. Write a Java Program to implement multiple inheritance

### PROGRAM:

#### Interface Printable

```
package Assignments;

public interface Printable {
    //abstract
    public void print();

    //static method
    static void show() {

    }
    //default method
    default void read() {
        System.out.println("Reading");
    }
}
```

#### Interface Showable

```
package Assignments;

public interface Showable {
    public void show();
}
```

#### Class Multiple Inheritance

```
package Assignments;
public class MultipleInheritanceChildClass implements Printable, Showable {
    public void show() {
        System.out.println("Showing in child class");
    }

    public void print() {
        System.out.println("Printing in child class");
    }

    public static void main(String[] args) {
        MultipleInheritanceChildClass obj = new MultipleInheritanceChildClass();
        obj.show();
        obj.print();
    }
}
```

}

## OUTPUT:

eclipse-workspace-staragile - StarAgileJavaTraining/src/Assignments/MultipleInheritanceChildClass.java - Eclipse IDE

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Package Explorer ×

- > Collectionsprograms
- > StarAgileJavaTraining
  - > JRE System Library [JavaSE-17]
  - > src
    - > (default package)
    - > Assignments
      - > ArrayIndexOutOfBoundsException1.java
      - > ArrayListInAscendingOrder.java
      - > MultipleInheritanceChildClass.java
      - > NullPointerException.java
      - > PrimeNumber.java
      - > Printable.java
      - > Showable.java
      - > StringRevWithoutReverseFunction.java
      - > StringRevWithReverseFunction.java

```
1 package Assignments;
2 public class MultipleInheritanceChildClass implements Printable, Showable {
3     public void show() {
4         System.out.println("Showing in child class");
5     }
6 }
7
8 public void print() {
9     System.out.println("Printing in child class");
10 }
11
12
13 public static void main(String[] args) {
14     MultipleInheritanceChildClass obj = new MultipleInheritanceChildClass();
15     obj.show();
16     obj.print();
17 }
18
19
20 }
21
```

Problems Javadoc Declaration Console × Coverage Call Hierarchy Tasks

<terminated> MultipleInheritanceChildClass [Java Application] C:\Users\shali\Downloads\eclipse-java-2022-06-R-win32-x86\_64\eclipse

Showing in child class

Printing in child class