Example on Cargo plain

```java
package StaticMethod;
class Plane {
    void takeoff()
    {
        System.out.println("Plane is taking off");


    }
    void fly()
    {
        System.out.println("Plane is flying");
    }
    void land()
    {
        System.out.println("Plane is landing");
    }
}
class CargoPlane extends Plane
{
    void fly()// overriden methods
    {
        System.out.println("Plane is flying at low height");
    }
    void carryCargo() // specialized method
    {
        System.out.println("Cargo plane carries cargo");
    }


}
class PassengerPlane extends Plane
{
    void fly()//overrriden methods
    {
        System.out.println("Plane is flying at medium height");
    }
    void carrypassenger()//specialized methood


    {
        System.out.println("Carries passenger ");
    }
}
class FighterPlane extends Plane
{
    void fly()
    {
        System.out.println("Plane is flying at heigher height");
```

```java
        }
    }
public class ExampleFprTypes {
    public static void main(String[] args)
    {
        CargoPlane cp = new CargoPlane();
        PassengerPlane pp = new PassengerPlane();
        FighterPlane fp = new FighterPlane();


        //we have three different type references exibhition

        Plane ref;//parent type reference
        {
        ref=cp; //Assigning child type reference to the parent type
        }

        ref.takeoff();// one reference one behaviour
        ref.fly();
        ref.land();
        ((CargoPlane)(ref)).carryCargo();//Down casting

                ref=pp;

            ref.takeoff();
            ref.fly();
            ref.land();
        //pp.carrypassenger();

                ref=fp;

            ref.takeoff();
            ref.fly();
            ref.land();




        }

    }
```

Output

```
Plane is taking off
Plane is flying at low height
Plane is landing
Cargo plane carries cargo
Plane is taking off
Plane is flying at medium height
Plane is landing
Plane is taking off
Plane is flying at heigher height
Plane is landing
```