Inheritance

Has a Relationship

**HospitalUtil.java**

package com.xworkz.xworkzapp;

import com.xworkz.xworkzapp.hospital.Doctors;

import com.xworkz.xworkzapp.hospital.GovernmentHospital;

import com.xworkz.xworkzapp.hospital.Hospital;

public class HospitalUtil {

public static void main(String[] args) {

Doctors doctor = new Doctors("Sushant", "Surgery", 10);

Hospital hospital = new GovernmentHospital();

hospital.allow(doctor);

}

}

**Doctors.java**

**package** com.xworkz.xworkzapp.hospital;

**public** **class** Doctors {

**public** String name;

**public** String specificationIn;

**public** **int** noOfYearsExperienced;

**public** Doctors(String name, String specificationIn, **int** noOfYearsExperienced) {

**super**();

**this**.name = name;

**this**.specificationIn = specificationIn;

**this**.noOfYearsExperienced = noOfYearsExperienced;

**this**.displayInfo();

}

**public** String getName() {

**return** name;

}

**public** String getSpecificationIn() {

**return** specificationIn;

}

**public** **int** getNoOfYearsExperienced() {

**return** noOfYearsExperienced;

}

**public** **void** displayInfo() {

System.***out***.println("Doctor Name is " + **this**.name + " Specialized in : " + **this**.specificationIn

+ " No of Expperience is " + **this**.noOfYearsExperienced);

System.***out***.println("");

}

}

**GovernmentHospital.java**

**package** com.xworkz.xworkzapp.hospital;

**public** **class** GovernmentHospital **extends** Hospital {

@Override

**public** **boolean** allow(Doctors doctors) {

System.***out***.println("Invoked govermentHospital ");

**super**.eductaion = "MBBS";

**return** **super**.allow(doctors);

}

Hospital.java

**package** com.xworkz.xworkzapp.hospital;

**public** **class** Hospital {

**public** String eductaion;

**public** Doctors doctor;

**public** **boolean** allow(Doctors doctor) {

**boolean** paid = **false**;

**if** ( **this**.eductaion == "MBBS") {

paid = **true**;

System.***out***.println("From Child " + doctor);

System.***out***.println("From Parent " + **this**.doctor);

**this**.doctor = doctor;

System.***out***.println("From parent 2 " + **this**.doctor);

**if** (doctor != **null**) {

System.***out***.println("Your eligiable for Doctor");

} **else** {

System.***out***.println(" Pursuing... ");

}

} **else** {

System.***out***.println("Please complete the course ");

}

**return** paid;

}

}