

Задание 3. Ссылки на коллекции Определена иерархия классов

```
class MedicalStaff{}
```

```
class Doctor extends MedicalStaff{}
```

```
class Nurse extends MedicalStaff{}
```

```
class HeadDoctor extends Doctor{}
```

	correct	not
Укажите корректные и некорректные операторы. Дайте ответу пояснение.		
Doctor doctor1 = new Doctor();	*	
Doctor doctor2 = new MedicalStaff();		Subclass cannot be created from Superclass's constructor Declared methods and fields of extenders cannot be created by constructor of Superclass(it has no such fields and methods)
Doctor doctor3 = new HeadDoctor();		Subclass cannot be created from Superclass's constructor Declared methods and fields of extenders cannot be created by constructor of Superclass(it has no such fields and methods)
Object object1 = new HeadDoctor();	Correct because of that superclass object creates from subclass's constructor	
HeadDoctor doctor5 = new Object();		Subclass cannot be created from Superclass's constructor Declared methods and fields of extenders cannot be created by constructor of Superclass(it has no such fields and methods)
Doctor doctor6 = new Nurse();		Beacause Nurse is not subclass of Doctor, but it is subclass of MedicalStaff witch is superclass for Doctor and Hierarchy through superclass not allowed in Java
Nurse nurse = new Doctor();		Beacause Nurse is not subclass of Doctor, but it is subclass of MedicalStaff witch is superclass for Doctor and Hierarchy through superclass not allowed in Java
Object object2 = new Nurse();	Correct because of that superclass object creates from subclass's constructor	
List<Doctor> list1= new ArrayList<Doctor>();	Correct because of that superclass object of List	

	type creates from subclass's constructor of ArrayList();	
List<MedicalStaff> list2 = new ArrayList<Doctor>();		Because of type mismatch unresolved compilation problem
List<Doctor> list3 = new ArrayList<MedicalStaff>();		Because of type mismatch unresolved compilation problem
List<Object> list4 = new ArrayList<Doctor>();		Because of type mismatch unresolved compilation problem
List<Object> list5 = new ArrayList<Object>();	*	