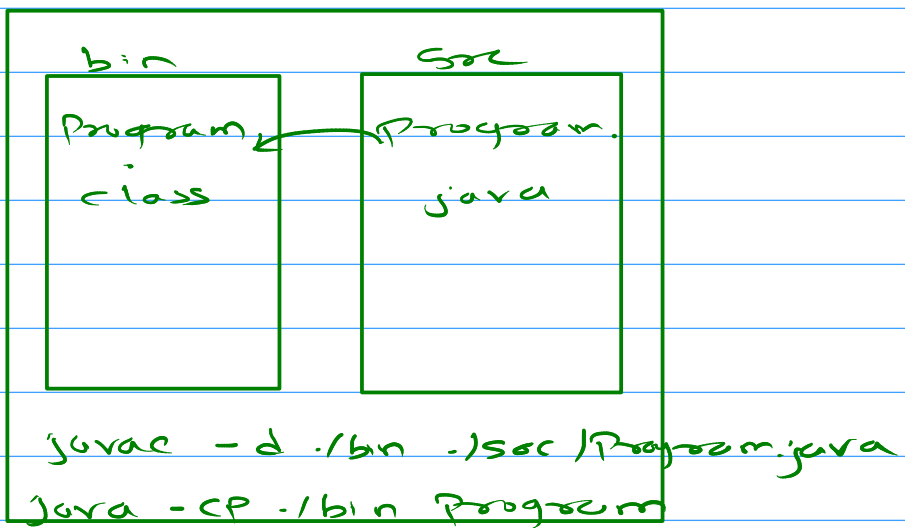
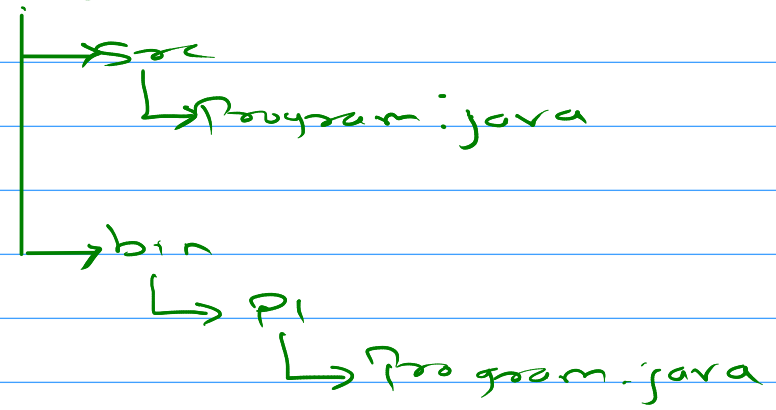


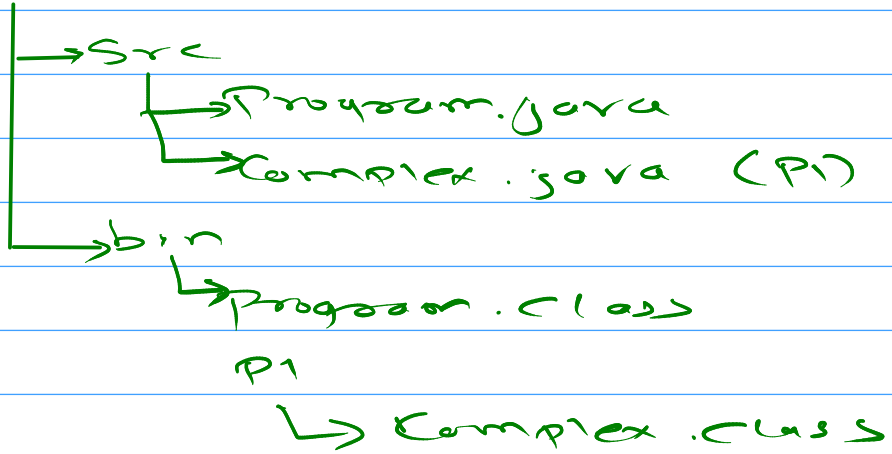
Demo 01



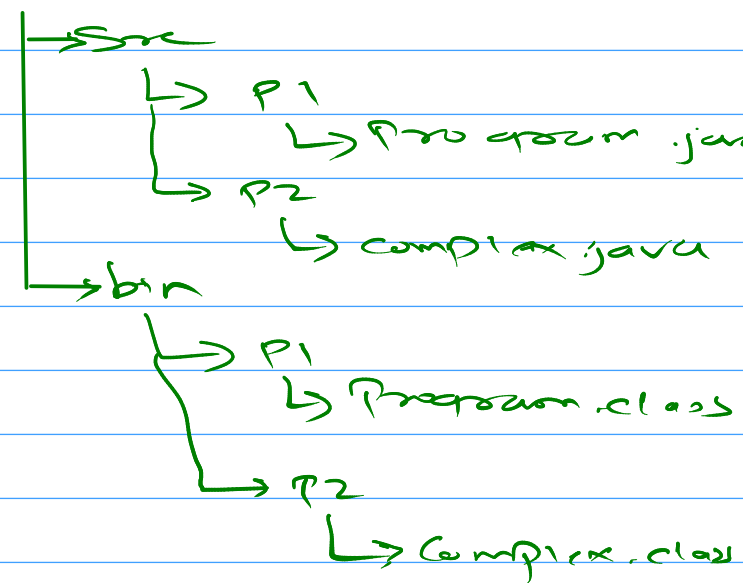
Demo 02

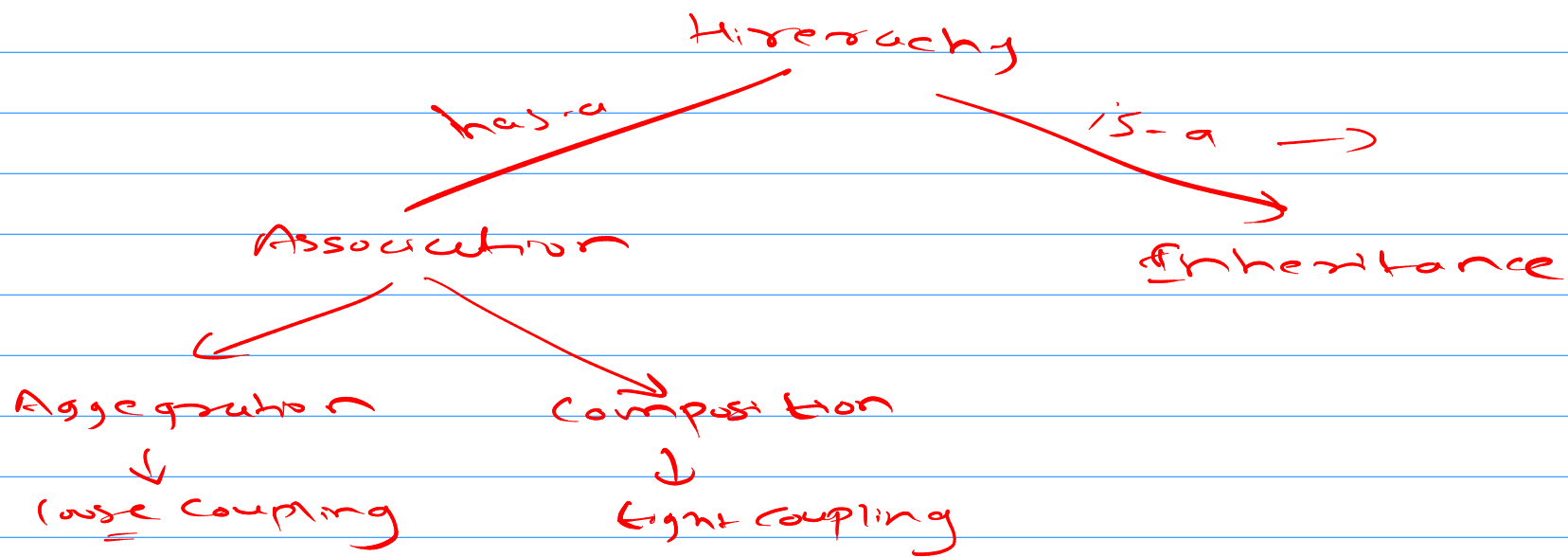


Demo 03



Demo 04





```

Person
{
  Date dob;

```

```

  Person ( , dob ) ✓
  Person ( ) ✗
}

```

```

}

```

```

main {

```

```

  {
    Date d = new Date();
    Person p = new Person();
    Person p = new Person(d);
  }
}

```

```

Date {

```

```

  Person ( )
  ✓ new Date()

```

```

  Person (int d, m, y) ✓
  ✓ new Date();
}

```

```

main {

```

```

  {
    Person p =
      new Person();
  }
}

```

Dependency obj is created
outside the class

Aggregation

```

Super → class Person (Parent)
{
  accnData();
}

```

```

Sub → class Employee (Child)
{
  accnData();
}

```

```

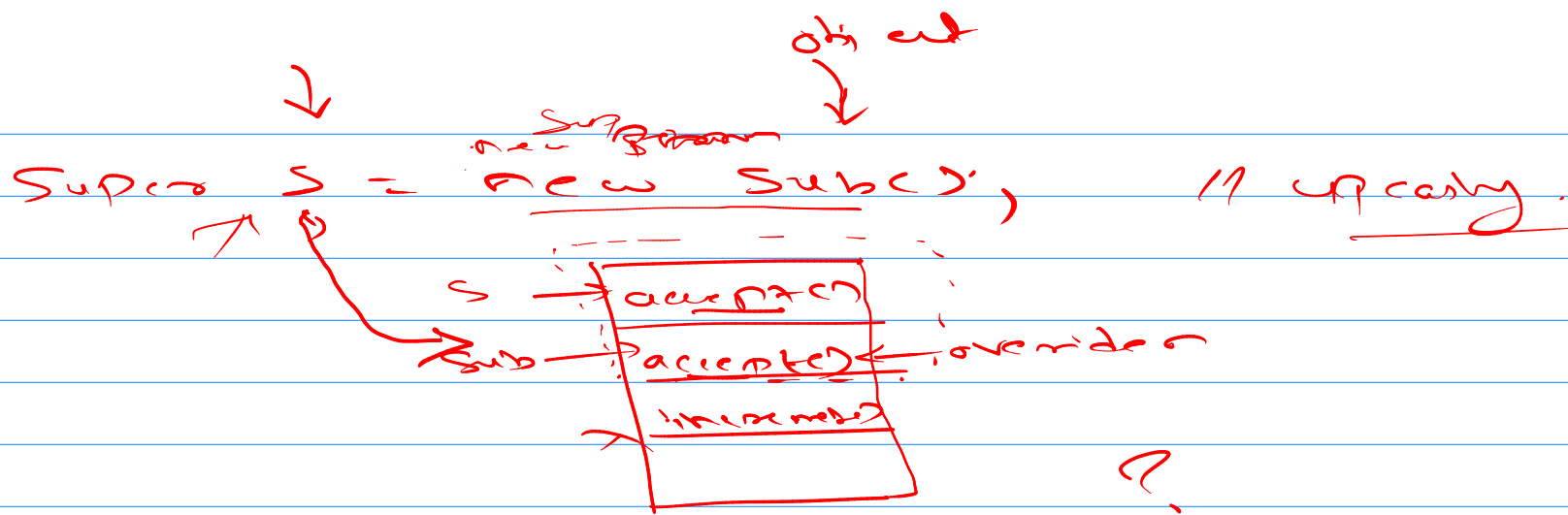
}

```

```

Super { Sub class → objent( , );
}

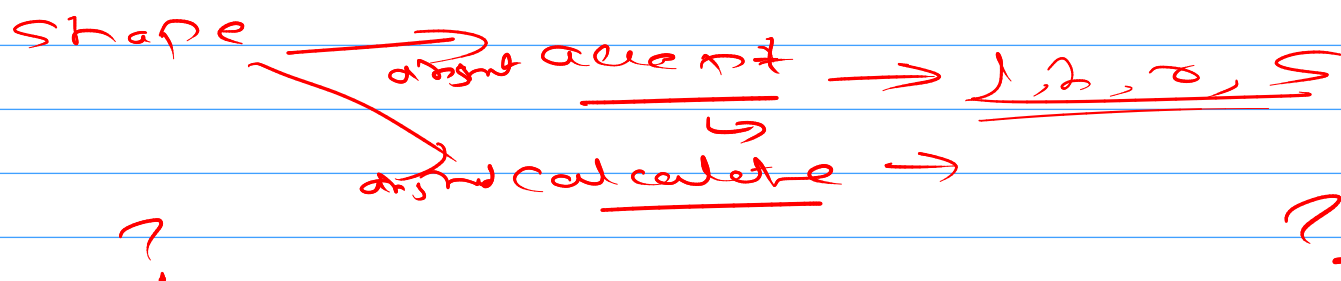
```



S.accept()

Sub sub = (Sub) S;

Emp emp =



abstract class Shape {
in Shape {
}

getArea() {
}

interface {
}
}

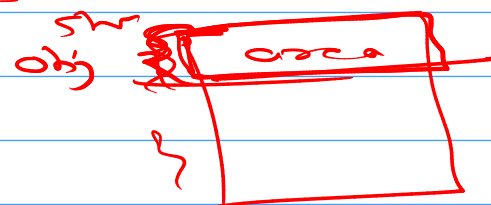
class extends class

interface extends interface

implements shape

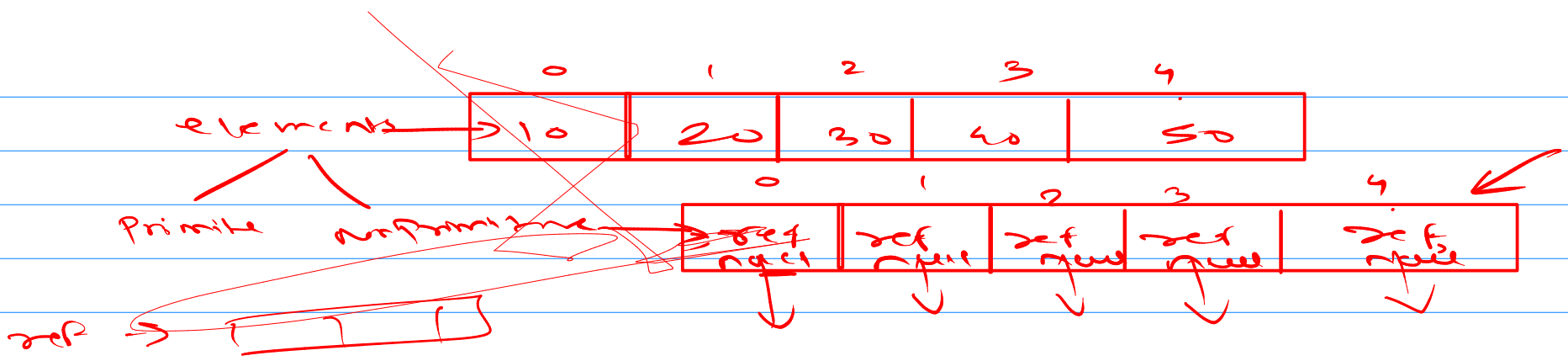
implements
class
class

Shape S = new Shape();
S = new Rect();
S = new Circle();



S is an instance of R? Shape

Rectangle r = new Rect();
r is an instance of Shape



```
int arr[] = new int[5];
arr[0] = 10;
```

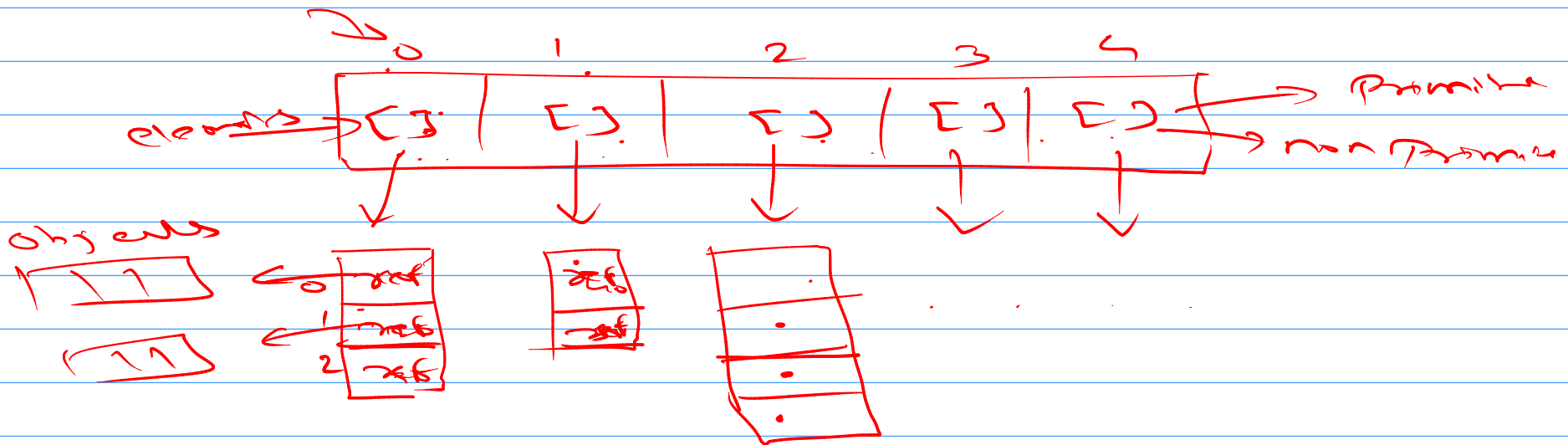
```
Emp arr[] = new Emp[5];
```

```
arr[0] = new Emp();
```

```
for (int i = 0; i < arr.length; i++)
```

```
{
```

```
arr[i] = new Emp();
```



```
int[][] arr = new int[5][];
```

```
arr[0] = new int[2];
```

```
arr[1] = new int[3];
```

```
arr[0][0] = 10;
```

```
Emp[][] arr = new Emp[3][];
```

```
arr[0] = new Emp[2];
```

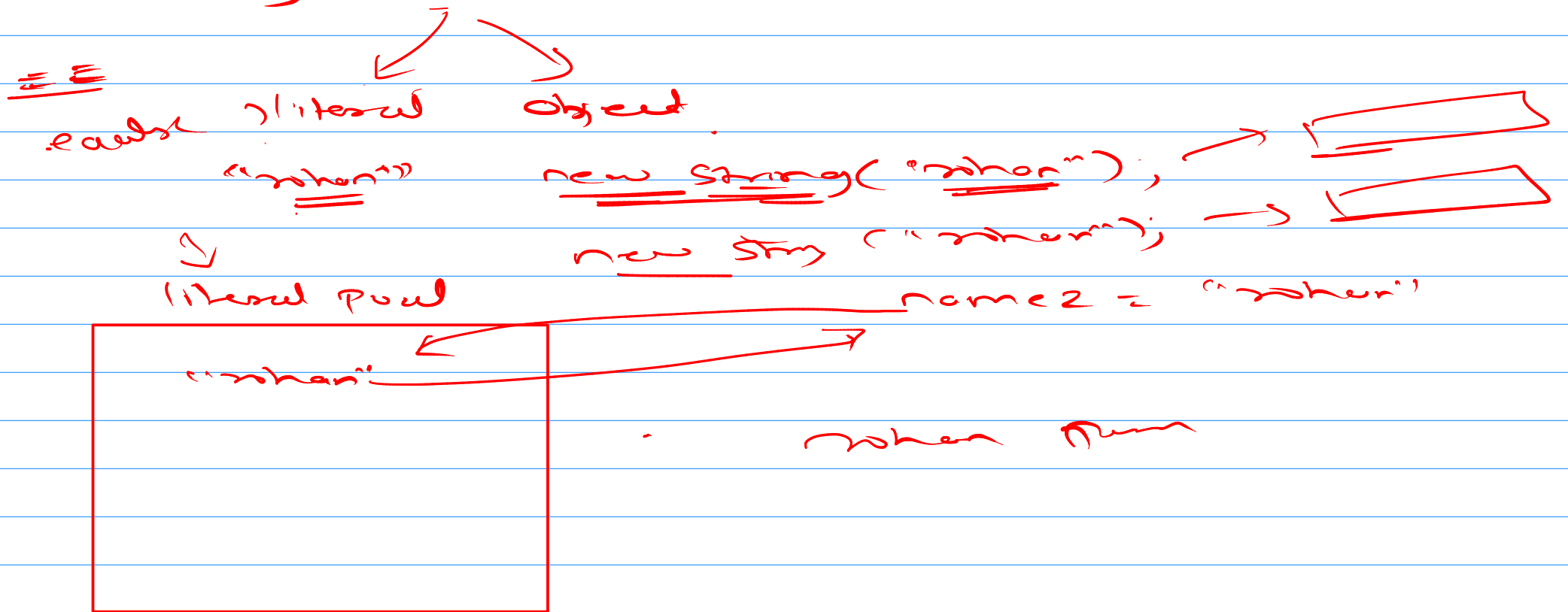
```
arr[1] = new Emp[3];
```

```
for (int i = 0; i < arr.length; i++)
```

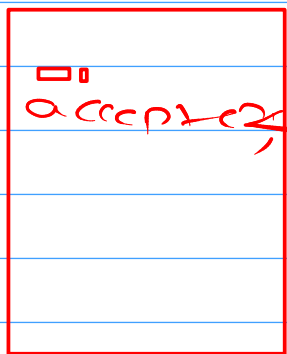
```
{
```

String → class → java.lang

String name → reference



Person
accepted



Emp
accepted

