Garbage Collection

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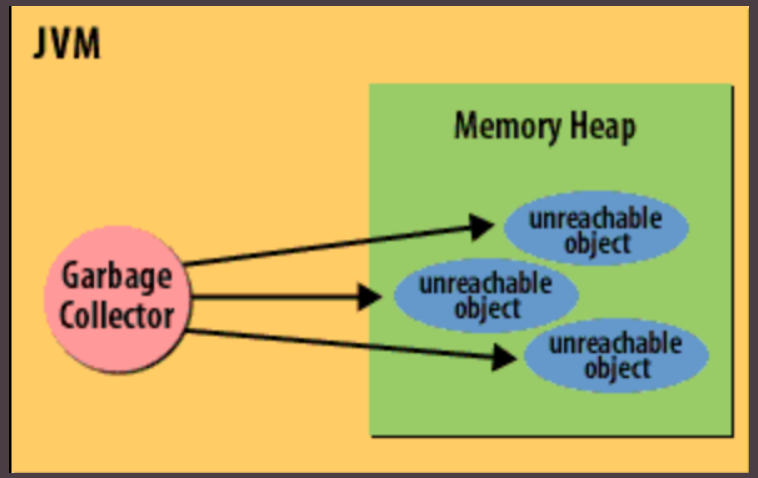
- Java Virtual Machine periodically runs a process known as the garbage collector, which removes unreferenced objects from memory.
- It is automatically done by the garbage collector(a part of JVM) so we do not need to make extra efforts.



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How can an object be unreferenced?

- By nulling the reference

```
Dog d = new Dog();
d=null;
```

- By assigning a reference to another

```
Dog d1=new Dog();
Dog d2=new Dog();
d1=d2;//now the first object referred by d1 is available for garbage collection
```

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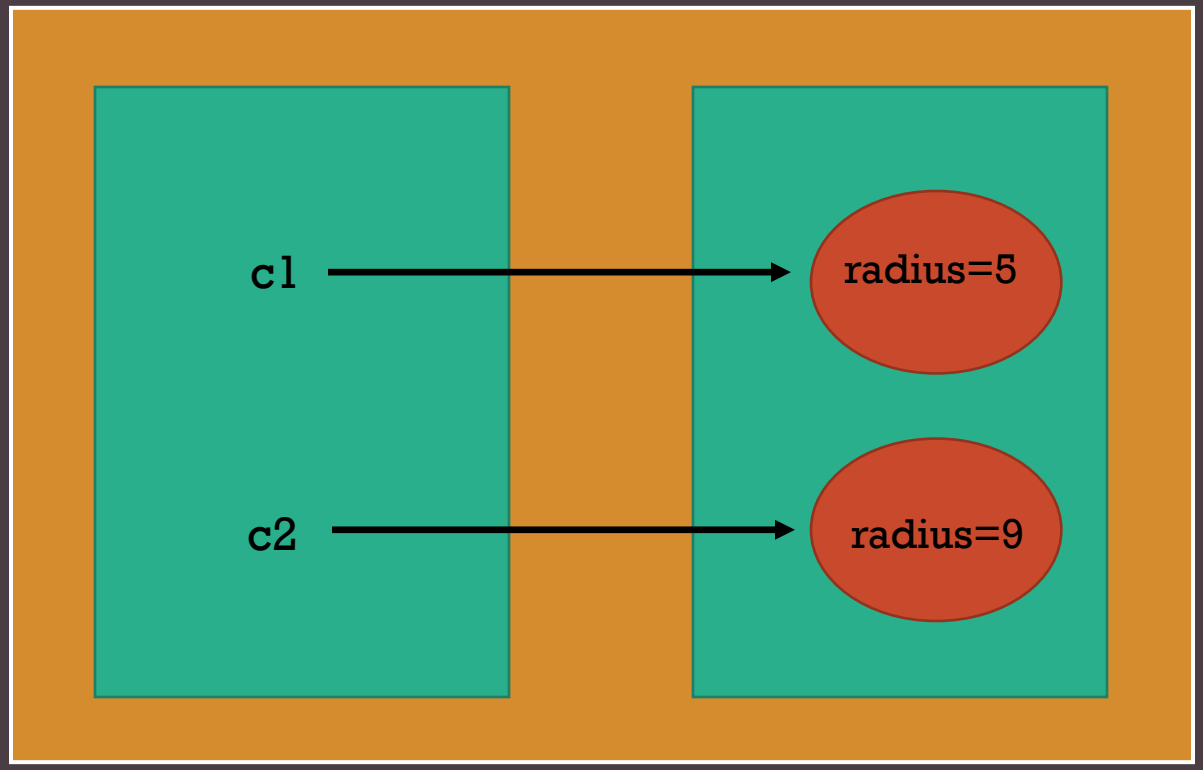
```java
public class Circle{

    int radius;

}


Circle c1 = new Circle();
c1.radius = 5;

Circle c2 = new Circle();
c1.radius = 9;
```



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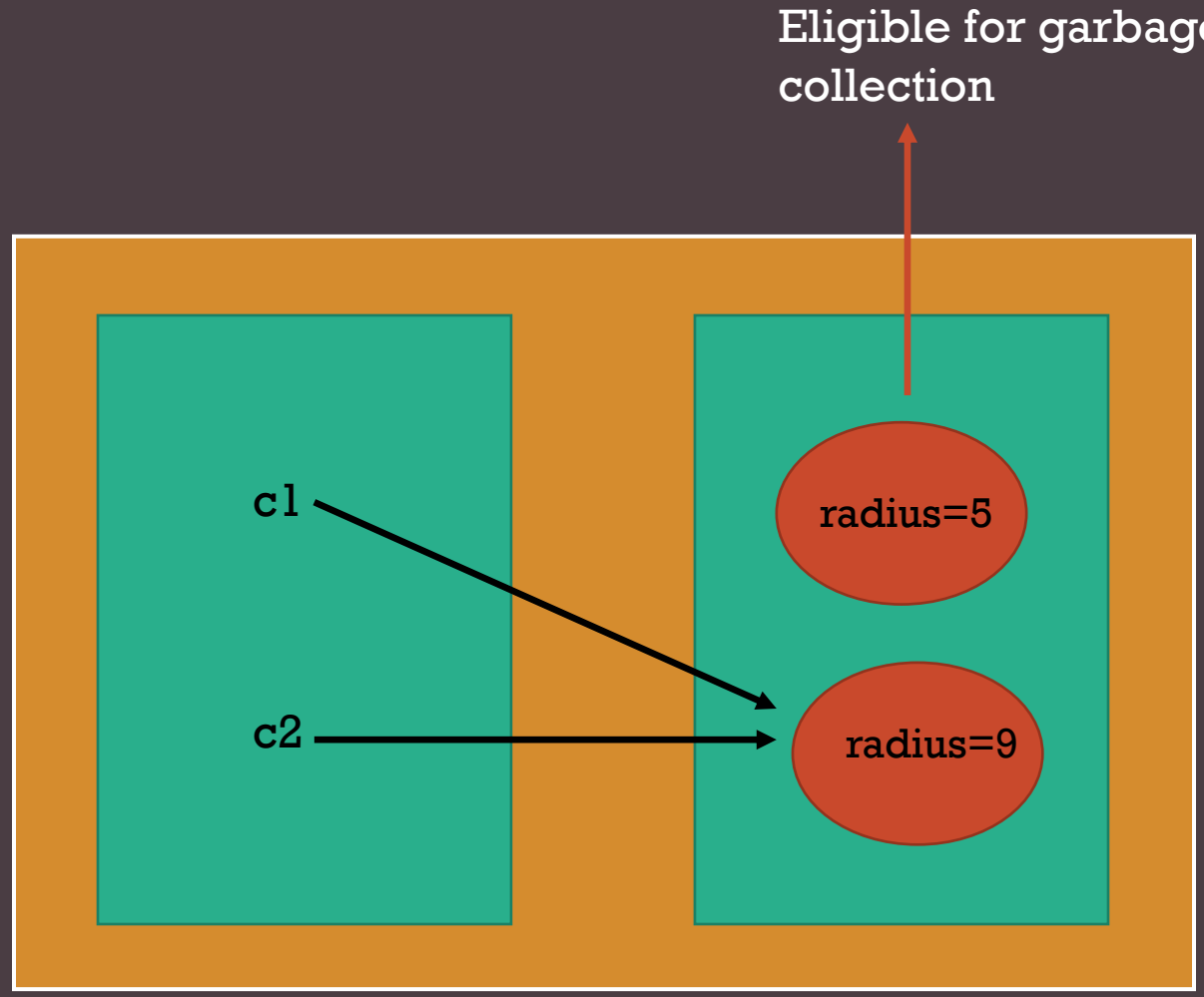
```java
public class Circle{

    int radius;

}


Circle c1 = new Circle();
c1.radius = 5;

Circle c2 = new Circle();
c1.radius = 9;


c1=c2;
```



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