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Experiment # 9: Seeing the effect of this keyword

- Modify the java code of “*Experiment#5*”, using the same names for the parameters of the constructor used to initialize the object and the instance variables.
- Test the following code by invoking all the methods of *class A*.

```
class A{  
    void m(){System.out.println("hello m");}  
    void n(){  
        System.out.println("hello n");  
        //m();//same as this.m()  
        this.m();  
    }  
}
```

```
package Lab_4;  
import java.util.Scanner;
```

```
public class EvenOdd {  
    public String college;
```

```
    EvenOdd(String college){  
        this.college = college;  
    }
```

```
    public static String evenChecker(int number)  
    {  
        if(number%2==0)  
            return "even";  
        else  
            return "Odd";  
    }
```

```
    public static void main (String [] args){  
        EvenOdd obj = new EvenOdd("FCIS");  
        Scanner scanner = new Scanner(System.in);  
        int n = scanner.nextInt();  
        String result = obj.evenChecker(n);
```



```
System.out.println(result);  
System.out.println(obj.college);  
  
}  
}
```

```
package Lab_4;
```

```
public class A {  
    void m(){  
        System.out.println("hello, m!");  
    }  
    void n(){  
        System.out.println("hello, n!");  
        this.m();  
    }  
}
```

```
package Lab_4;
```

```
public class testA {  
    public static void main(String[] args) {  
        A zahid = new A();  
        zahid.m();  
        zahid.n();  
    }  
}
```



Practical_OOP > Lab_4 > J EvenOdd.java > EvenOdd > college

```
1 package Lab_4;
2 import java.util.Scanner;
3
4 public class EvenOdd {
5     public String college;
6
7     EvenOdd(String college){
8         this.college = college;
9     }
10    public static String evenChecker(int number)
11    {
12        if(number%2==0)
13            return "even";
14        else
15            return "Odd";
16    }
17    public static void main (String [] args){
18        EvenOdd obj = new EvenOdd(college:"FCIS");
19        Scanner scanner = new Scanner(System.in);
20        int n = scanner.nextInt();
21        String result = obj.evenChecker(n);
22
23        System.out.println(result);
24        System.out.println(obj.college);
25    }
26 }
27 }
```

10
even
FCIS

Practical_OOP > Lab_4 > J testA.java > testA > main(String[])

```
1 package Lab_4;
2
3 public class testA {
4     public static void main(String[] args) {
5         A zahid = new A();
6         zahid.m();
7         zahid.n();
8     }
9 }
10 }
```

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```
& 'C:\Program  
er\workspaceS  
hello, m!  
hello, n!  
hello, m!
```