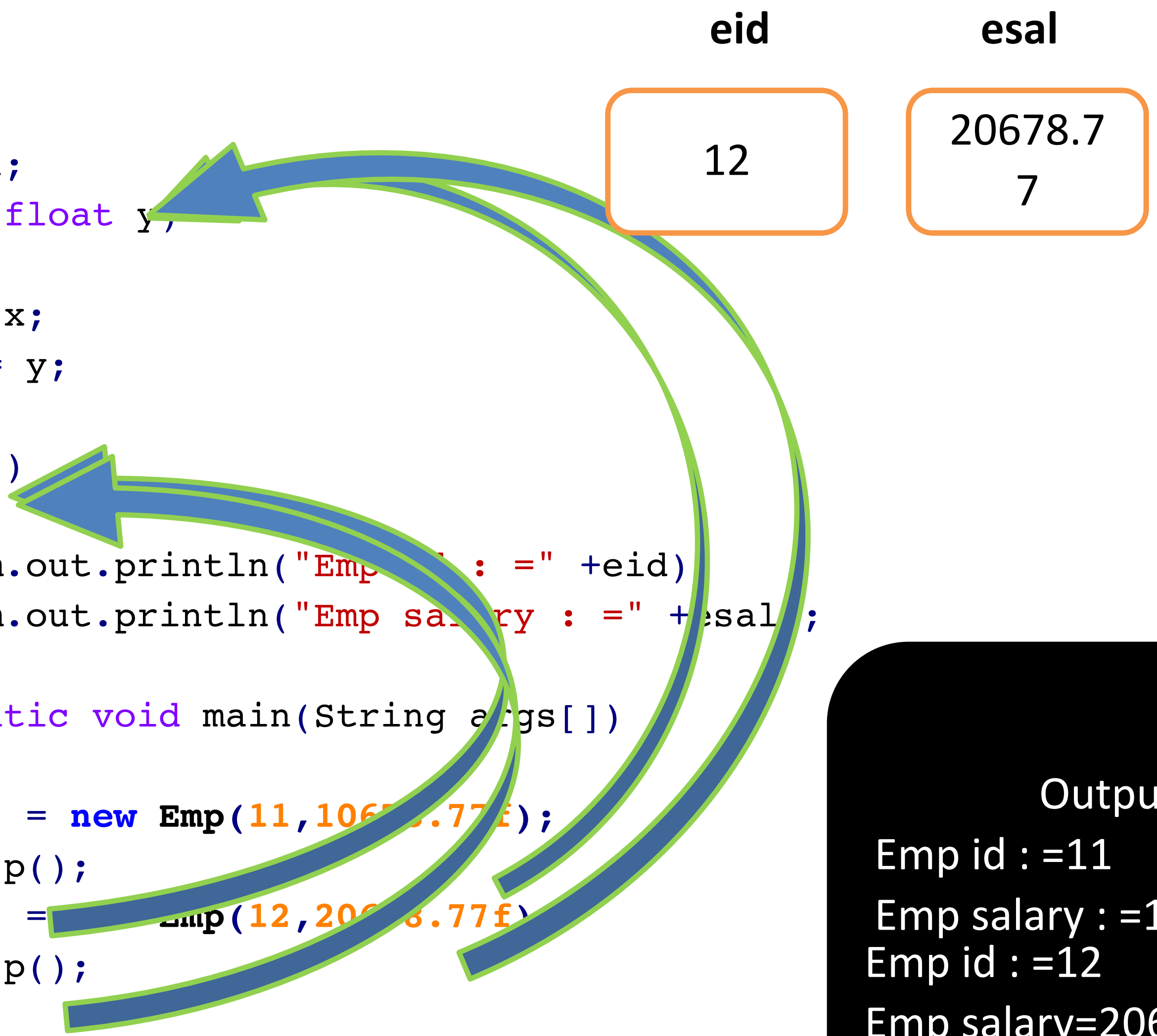
# MEMBER FUNCTION - this

# Passing Parameters

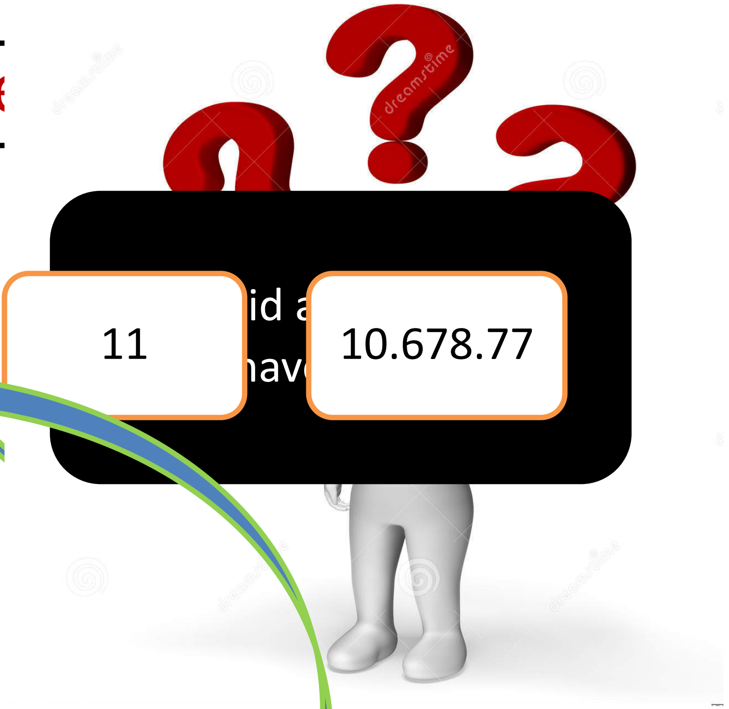
```java
public class Emp
    {
        int eid;
        float esal;
        Emp(int x,float y)
        {
            eid = x;
            esal = y;
        }
        void disp()
        {
            System.out.println("Emp id : =" +eid);
            System.out.println("Emp salary : =" +esal);
        }
        public static void main(String args[])
        {
            Emp e1 = new Emp(11,10678.77f);
            e1.disp();
            Emp e2 = new Emp(12,20678.77f);
            e2.disp();
        }
    }
```



```
Output:
Emp id : =11
Emp salary : =10678.77
Emp id : =12
Emp salary=20678.77
```

# Passing Parame

```
public class Emp
    {
        int eid;
        float esal;
        Emp(int eid,float esal)
        {
          this->eid = eid;
          this->esal = esal;
        }
        void disp()
        {
            System.out.println("Emp id : =" +
            System.out.println("Emp salary : =   +esal);
        }
        public static void main(String args[])
        {
            Emp e1 = new Emp(11,10678.77f);
            e1.disp();
            Emp e2 = new Emp(12,20678.77f);
            e2.disp();
        }
    }
```



Output:

```
Emp id : =11
Emp salary : =10678.77
Emp id : =12
Emp salary=20678.77
```

# Constructor Calling

```
public class Test
{
    Test()
    {
        this(10);
        System.out.println("0-arg");
    }
    Test(int a)
    {
        System.out.println("1-arg");
    }
    public static void main(String args[])
    {
        Test t = new Test();
    }
}
```

```
Output:
1-arg
0-arg
```

# Constructor Calling

```
public class Test
{
    Test()
    {
      System.out.println("0-arg");

    }
    T
    {

    }
    public static void main(String args[])
    {
       Test t = new Test();
```

BUG!!

Output:
error: call to this must be first statement in constructor
this(10);
^1 error

# Constructor calling

```
public class Test
{
    Test()
    {
        this(10);
        this(30);
        System.out.println("0-arg");
    }
    Test(int a)
    {
        System.out.println("1-arg");
    }
    public static void main(String args[])
    {
        Test t = new Test();
    }
}
```

Error!! Multiple this statement throws error

## *To invoke current class method:*

```
class A
{
    void m()
    {
        System.out.println("hello m");
    }
    void n()
    {
        System.out.println("hello n");
        //m();//same as this.m()
        this.m();
    }
}
public class TestThis4
{
    public static void main(String args[])
    {
         A a=new A();
         a.n();
    }
}
```

```
Output:
hello n
hello m
```

Thank you