

Listing public Methods in a class

```
class A {
    private int x;
    private String s;
    public A (int x, String s){
        this.x=x;
        this.s=s;
    }
    private void setX(int x){
        this.x=x;
    }
    public int Squared_x(int x){
        return x*x;
    }
    public void info(){
        System.out.println("This is an A object");
    }
    public String getString(){
        return s;
    }
    public int getX(){
        return x;
    }
}
```

```
/** This program lists methods in the class whose name is provided
as a command line argument*/
```

```
import java.lang.reflect.*;

public class ListMethods {
    public static void main(String[] args) throws
    ClassNotFoundException{
        Method[] ma=Class.forName(args[0]).getMethods();
        for (int i=0; i<ma.length; i++){
            System.out.println(ma[i]);
        }
    }
}
```

```
igraine:Week12 easwarac$ java ListMethods A
public java.lang.String A.getString()
public int A.Squared_x(int)
public void A.info()
public int A.getX()
public final void java.lang.Object.wait(long,int) throws java.lang.InterruptedException
public final native void java.lang.Object.wait(long) throws java.lang.InterruptedException
public final void java.lang.Object.wait() throws java.lang.InterruptedException
public boolean java.lang.Object.equals(java.lang.Object)
public java.lang.String java.lang.Object.toString()
public native int java.lang.Object.hashCode()
public final native java.lang.Class java.lang.Object.getClass()
public final native void java.lang.Object.notify()
public final native void java.lang.Object.notifyAll()
igraine:Week12 easwarac$
```