




Separation of source code

Src vs bin



Start by setting up directories

```
$ mkdir src bin
```

```
$ mkdir src/my/project/util
```

```
$ mkdir src/my/project/main
```

Create the .java files as usual

```
$ ls src/my/project/main
```

```
src/my/project/main/Main.java
```

```
$ ls src/my/project/util
```

```
src/my/project/util/MyUtilityClass.java
```

The files

```
$ cat src/my/project/main/Main.java
package my.project.main;

import my.project.util.MyUtilityClass;

public class Main{
    public static void main(String[] args) {
        MyUtilityClass.printToday();
    }
}
```

...and...

```
$ cat src/my/project/util/MyUtilityClass.java  
package my.project.util;
```

```
public class MyUtilityClass{  
    public static void printToday(){  
        System.out.println(new java.util.Date());  
    }  
}
```

Go to src and compile with -d

```
$ cd src
```

```
$ javac -d ../bin my/project/main/Main.java
```

```
# compile but have ../bin as the destination
```

```
# this will create all package directories in ../bin
```

```
# go back to the directory above, where both bin and src are
```

```
$ cd ..
```

View the result

```
$ tree
```

```
.
├── bin
│   └── my
│       └── project
│           ├── main
│           │   └── Main.class
│           └── util
│               └── MyUtilityClass.class
└── src
    └── my
        └── project
            ├── main
            │   └── Main.java
            └── util
                └── MyUtilityClass.java
```

```
10 directories, 4 files
```