



# Packages

CSCI 201

Principles of Software Development

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# Outline

- Packages

# Package Overview

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- A package in Java is a logical arrangement of code
  - › Programmers put their classes in packages so that it makes more sense to them
  - › A package corresponds to a directory on the computer, so you can think of arranging code in packages similar to arranging files in directories
- If a class is in a package named `edu.usc`, the `.class` file must be in a folder named `usc`, which must be in a folder named `edu`

# Package Example



- In the `edu` directory, there must be a `usc` directory, and in that directory is where the `CSCI201.class` file must be
- To compile your program from the command line, from the directory that contains the `edu` directory, type  
`javac edu\usc\CSCI201.java`
- To run your program from the command line, from the directory that contains the `edu` directory, type  
`java edu.usc.CSCI201`

```
1 package edu.usc;  
2 public class CSCI201 {  
3     public static void main(String [] args) {  
4         System.out.println("Class in a package");  
5     }  
6 }
```