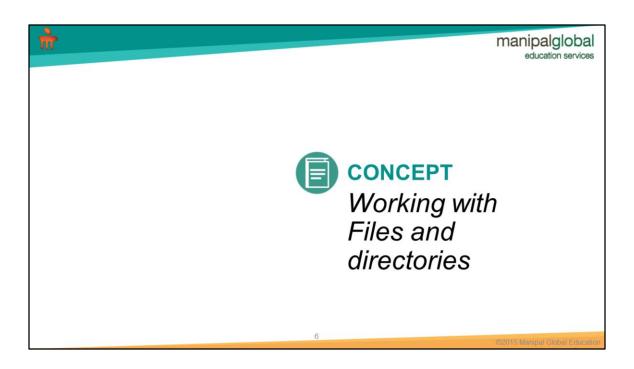




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## What does I/O Package contain?

- > IO Package contains classes/Interfaces required for
  - · system input and output operations
  - handling files
  - · saving and restoring object states
  - · writing common data to multiple files
- > Uses concept of streams to do IO processing





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## What is File Class?

- > File Class
  - · Provides abstract representation for files and directory pathnames
  - · Contains methods for handling files.
  - · File class can be used for
    - Creating new files and directories
    - Renaming files and directories
    - Deleting files and directories
    - Listing files in a directory
  - It cannot be used for reading and writing file contents



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## **Instantiating File Object**

Constructors commonly used to create file objects

```
File (String pathname)

File file1 = new File("C:\\Tickets\\tick1.txt");
File file2 = new File("book.txt");
```

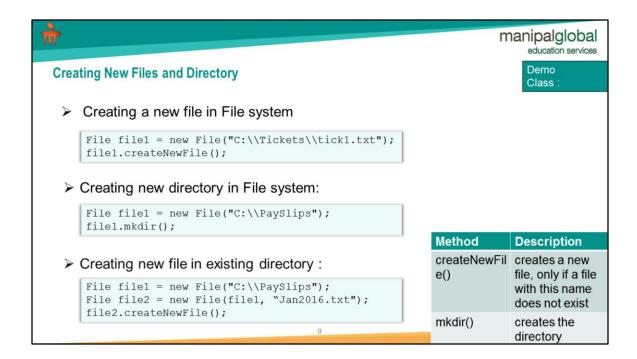
```
File(String parent, String child)
File file1 = new File("C:\\Tickets","tick1.txt");
```

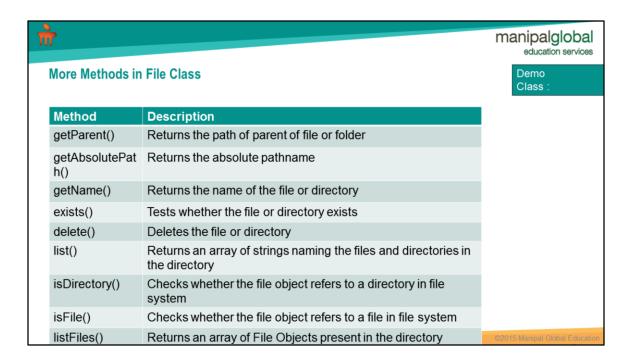
```
File(File parent, String child)

File dir = new File("C:\\Tickets");
File file1 = new File(dir,"tick1.txt");
```

## Note:

- Creating file object does not create a file on the file system
- If file exists in the path specified, variable will refer to the existing file
- File separator used for Unix systems is / and for windows





```
Listing Files in a Directory

Demo
Class:

File myFile = new File("c:\\myDir");
File[] fileList = myFile.listFiles();
for(File file : fileList) {
    if (file.isFile()) {
        System.out.println(file.getName());
    }
}

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```

