

Basic Console Applications

Introduction

In this unit you will learn how to build basic console applications that print text to the screen.

Skeleton Code for Console Applications

Skeleton code is a basic starting point for a program. All the console applications you write for now will have the below skeleton code.

```
public class FileName
{
    public static void main(String[] args)
    {
        Your program code will go here
    }
}
```

Print Statements

Print statements are Java statements that are used to display text to the console. There are three different print commands we will cover this year, two of which will be covered in this chapter.

`System.out.print(text);`

Prints the text to the screen and leaves the cursor after the last printed character.

`System.out.println(text);`

Prints the text to the screen and puts the cursor to the beginning of the line after the last character printed.

Note: The text must be placed in double quotes to be printed.

Example 1:

```
System.out.print("Bobo");
System.out.print("likes Jane.");
```

Output:

Bobolikes Jane.

Example 2:

```
System.out.println("Bobo");
System.out.println("likes Jane.");
```

Output:

Bobo
likes Jane.

Escape Sequences

Escape sequences are special commands that can be used inside of double quotes. Escape sequences begin with a backslash and are followed by another character. The following chart is a list of common escape sequences.

Escape Sequences	Effect
\	Displays a “
\\	Displays a \
\t	Inserts a tab
\n	Moves the cursor to the beginning of the next line

Example 1:

```
System.out.print("Open C\\:Files\\test.txt.");
```

Output:

```
Open C\:\Files\test.txt.
```

Example 2:

```
System.out.println("Bob is so \"Cool\".");
```

Output:

```
Bob is so "cool".
```

Comments

Comments are text that is to be ignored by the compiler. Comments can be used to temporarily remove lines of code from your program or to write notes to whoever is reading your code. The following chart is a list of the comment commands.

Comment symbol	Description	Effect
//	Single line comment	Everything to the right of the comment symbol is a comment
/*	Start of a multi-line comment	Everything to the right of the comment symbol and below it is a comment; until the ender of the multi-line comment is reached.
*/	End of a multi-line comment	Ends a multi-line comment

Example 1:

```
// the below line of code prints hey
System.out.println("Hey");
/*
System.out.println("Joe");
System.out.println("and Jane.");
*/
```

Output:

Hey

Blue Pelican Sections**Lesson 1****Terms**

Comments	Text that is ignored by the compiler.
Escape Sequences	Special commands that can be used inside of double quotes.
Skeleton Code	A basic starting point for a given programming task.