

Tutorial Worksheet 5: Programs

- **Include comments at the top of your program**
- **Include Documentation throughout your code**

Lecture Examples

Key in the example programs from lecture 5, compile and run.

Program 1

Write a program that asks the user to enter 2 numbers. Within this program create a method called `minimumValue` that calculates the smallest of the two numbers and returns the result to the screen as output.

Save this program as **L5SmallNum.java**

Program 2

Write an **application** that contains a method to print the String “Happy Birthday”.

Save this program as **L5HB.java**

Program 3

Write an **application** that contains a method to print the String “Happy Birthday” **n times** where **n** is passed as a parameter.

Save this program as **L5HBntimes.java**

Written Questions:

1. Identify and describe the 3 different types of methods.
Use examples to illustrate your answer.
2. Provide three motivations behind the use of methods.
3. Explain how you would invoke a method in a Java program.
4. State the format of a method definition for a method that carries out some action.