LECTURE 2: NOTES

My notes:

1. Method Creation.
2. Calling a method.
3. Calling a method multiple time.
4. What is method and its similarity with functions in C++.
5. Accessing method in same java file. Accessing method in different java file.
6. Parameterize method.
7. Single Parameter
8. Multiple Parameter
9. Method with if else
10. Method with loops
11. Return type method.
12. Built in Methods
13. What are constants in Java.
14. Java classes
15. Java objects
16. Class Methods
17. Class attributes
18. Classes in same Java file
19. Classes in different Java file
20. Java Constructor

Practice Questions:

1. Write a Java method to find the smallest number among three numbers using if else statements. (Also try built in method Math.min()) and compare the efficiency of two codes.
2. Write a Java method to compute the average of two numbers.
3. Write a Java method to compute the sum of digits in an integer.
4. Write a Java method to calculate the triangle area.
5. Write a Java method to print table of number entered by user.

**Sample Program of Class using single Java file.**

**import** java.util.Scanner;

**class** Calculator{

**int** num1;

**int** num2;

**static** **void** add(**int** num1,**int** num2)

{

**int** sum= num1+num2;

System.***out***.println(sum);

}

}

**public** **class** Main{

**public** **static** **void** main(String[] args)

{

Calculator s=**new** Calculator();

Scanner a=**new** Scanner(System.***in***);

s.num1=a.nextInt();

s.num2=a.nextInt();

s.*add*(s.num1, s.num2);

}

}

**Sample Program using two java file.**

main.java file

**import** java.util.Scanner;

**public** **class** Main{

**public** **static** **void** main(String[] args)

{

Calculator s=**new** Calculator();

Scanner a=**new** Scanner(System.***in***);

s.num1=a.nextInt();

s.num2=a.nextInt();

s.*add*(s.num1, s.num2);

}

}

calculator.java.file

**class** Calculator{

**int** num1;

**int** num2;

**static** **void** add(**int** num1,**int** num2)

{

**int** sum= num1+num2;

System.***out***.println(sum);

}

}