Core Java Exercises

**Write a Program in Java to Add two Numbers.**

**Input:** 2 3  
**Output:** 5

**3. Write a Program to Swap Two Numbers**

**Input:** a=2 b=5  
**Output:** a=5 b=2

**4. Write a Java Program to convert Integer numbers and Binary numbers.**

**Input:** 9   
**Output:** 1001

**5. Write a Program to Find Factorial of a Number in Java.**

**Input:** 5  
**Output:** 120

**6. Write a Java Program to Add two Complex Numbers.**

**Input:**  1+2i  
 4+5i  
**Output:** 5+7i

**7. Write a Program to Calculate Simple Interest in Java**

**Input :** P = 10000 R = 5 T = 5  
**Output :** 2500

**8. Write a Program to Print the Pascal's Triangle in Java**

**Input :** N = 5  
**Output:**  
 1  
 1 1  
 1 2 1  
 1 3 3 1  
 1 4 6 4 1  
1 5 10 10 5 1

**9. Write a Program to Find Sum of Fibonacci Series Number**

**Input**: n = 4  
**Output**: 33  
**Explaination:** Sum of numbers at even indexes = 0 + 1 + 3 + 8 + 21 = 33.

**10. Write a Program to Print Pyramid Number Pattern in Java.**

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