**Questions on Java Methods**

### 1. Add Two Numbers

* **Class Name:** AdditionCalculator
* **Method Name:** addTwoNumbers
* **Parameters:** int a, int b
* **Return Type:** int
* **Explanation:**  
  This method takes two integers as input and calculates their sum. The method simply adds the two numbers together and returns the result. In the main method, we call this function with two values, store the returned sum, and then print the output. Since addition is a basic arithmetic operation, the method is straightforward with no conditions or loops.

### 2. Multiply Two Numbers

* **Class Name:** MultiplicationCalculator
* **Method Name:** multiplyTwoNumbers
* **Parameters:** int a, int b
* **Return Type:** int
* **Explanation:**  
  This method takes two integers as input and calculates their product. It returns the multiplication result of a and b. Since multiplication is a fundamental arithmetic operation, the method directly multiplies the two values and returns the result. In the main method, this result can be printed after calling the method.

### 3. Find the Square of a Number

* **Class Name:** SquareCalculator
* **Method Name:** squareOfNumber
* **Parameters:** int n
* **Return Type:** int
* **Explanation:**  
  This method takes a single integer as input and returns its square. The square of a number is obtained by multiplying the number by itself (n \* n). The method simply performs this multiplication and returns the result. In the main method, calling this function with a number will give us the squared value, which we can print.

### 4. Find the Average of Three Numbers

* **Class Name:** AverageCalculator
* **Method Name:** averageOfThreeNumbers
* **Parameters:** double a, double b, double c
* **Return Type:** double
* **Explanation:**  
  This method takes three floating-point numbers (doubles) as input and returns their average. The average is calculated using the formula:  
   **average = (a + b + c)/3**  
  Since division can result in decimal values, the method uses double as the return type. The method adds the three numbers together, divides the sum by three, and returns the result. The main method can call this function with three numbers and print the calculated average.

### 5. Calculate Simple Interest

* **Class Name:** SimpleInterestCalculator
* **Method Name:** calculateSimpleInterest
* **Parameters:** double principal, double rate, double time
* **Return Type:** double
* **Explanation:**  
  This method calculates simple interest based on the given principal amount, interest rate, and time period. The formula for simple interest is:  
   **simple interest = (principle \* rate \* time) / 100**
  + **Principal (P)**: The initial amount of money borrowed or invested.
  + **Rate (R)**: The annual interest rate (given in percentage).
  + **Time (T)**: The time period for which the interest is calculated (usually in years).
* The method multiplies these three values, divides by 100, and returns the result. The main method can call this function with appropriate values and print the calculated interest.