

- Factorial Calculation:

Write a recursive function to calculate the factorial of a number.

```
public static int factorial(int n) {  
  
}
```

- Fibonacci Series:

Write a recursive function to find the nth number in the Fibonacci series.

```
public static int fibonacci(int n) {  
  
}
```

- Sum of Array:

```
public static int sumOfArray(int[] arr, int n) {  
  
}
```

- Palindrome Check:

```
public static boolean isPalindrome(String str, int start, int end) {  
  
}
```

- Binary Search:

```
public static int binarySearch(int[] arr, int low, int high, int key) {  
  
}
```

- Tower of Hanoi:

```
public static void towerOfHanoi(int n, char from_rod, char to_rod, char aux_rod) {  
  
}
```