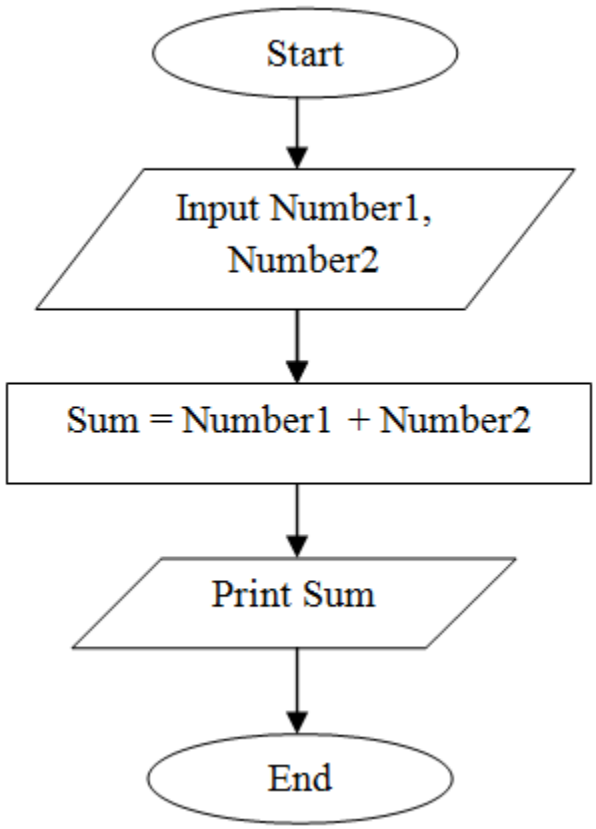
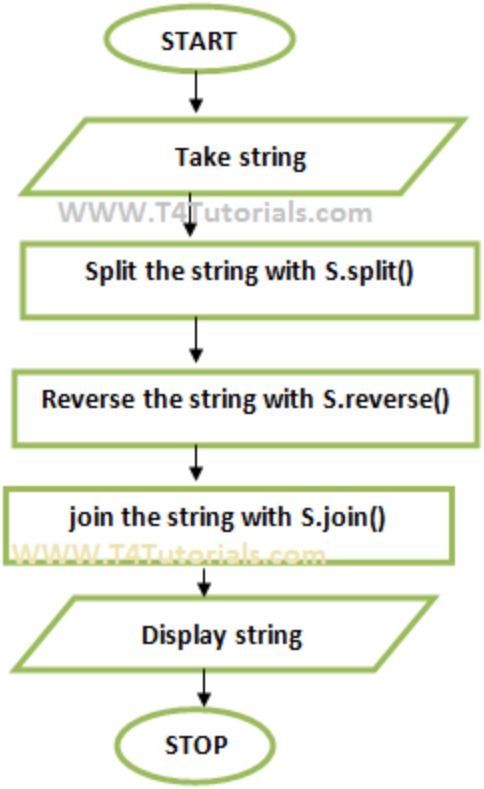
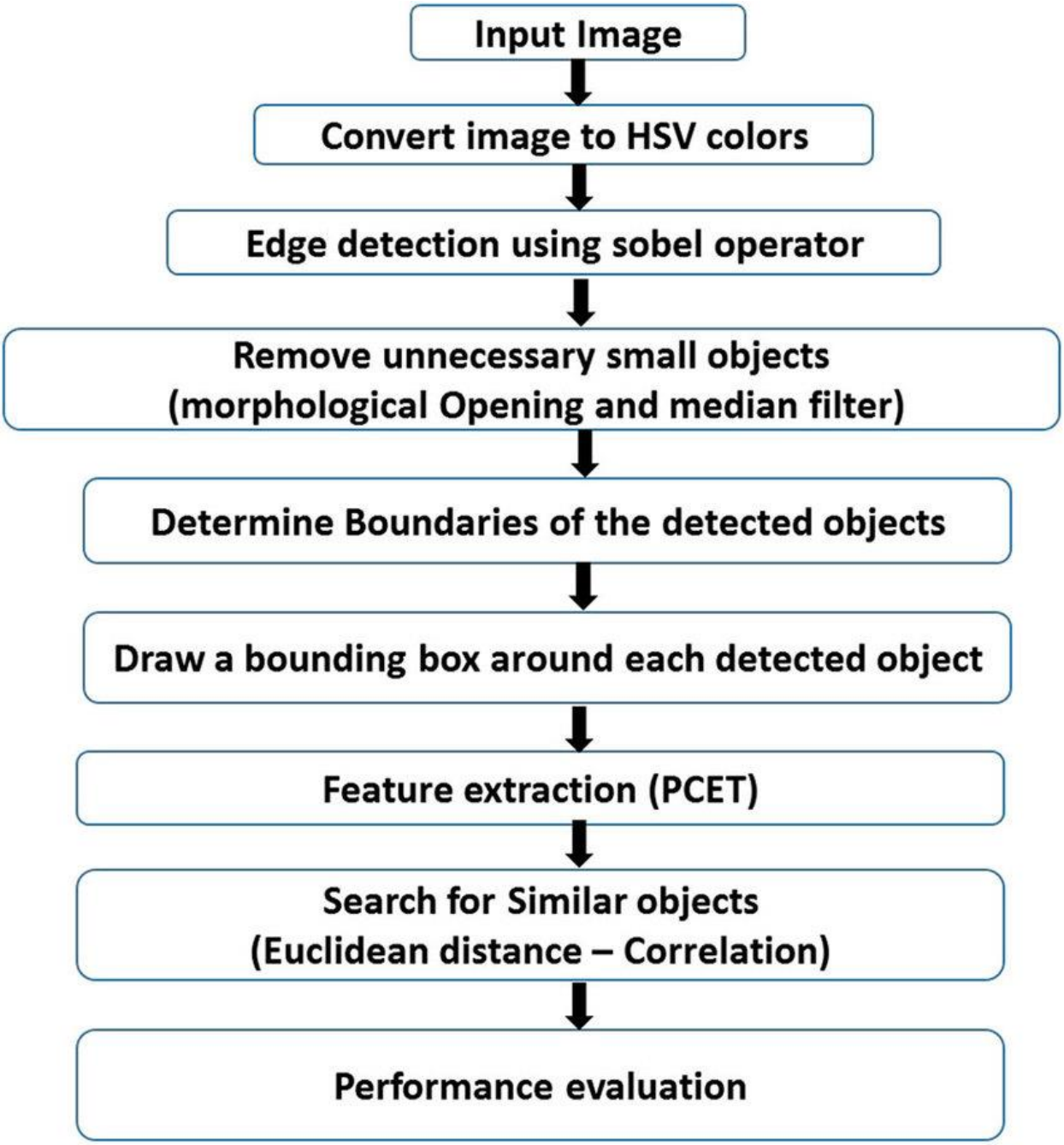
```
1.  class FibonacciExample1{
2.  public static void main(String args[])
3.  {
4.   int n1=0,n2=1,n3,i,count=10;
5.   System.out.print(n1+" "+n2);//printing 0 and 1
6.
7.   for(i=2;i<count;++i)//loop starts from 2 because 0 and 1 are already printed
8.   {
9.    n3=n1+n2;
10.  System.out.print(" "+n3);
11.  n1=n2;
12.  n2=n3;
13. }
14.
15.}}
```



```
1. public class ReverseNumberExample1
2. {
3. public static void main(String[] args)
4. {
5. int number = 987654, reverse = 0;
6. while(number != 0)
7. {
8. int remainder = number % 10;
9. reverse = reverse * 10 + remainder;
10.number = number/10;
11.}
12.System.out.println("The reverse of the given number is: " + reverse);
13.}
14.}
```

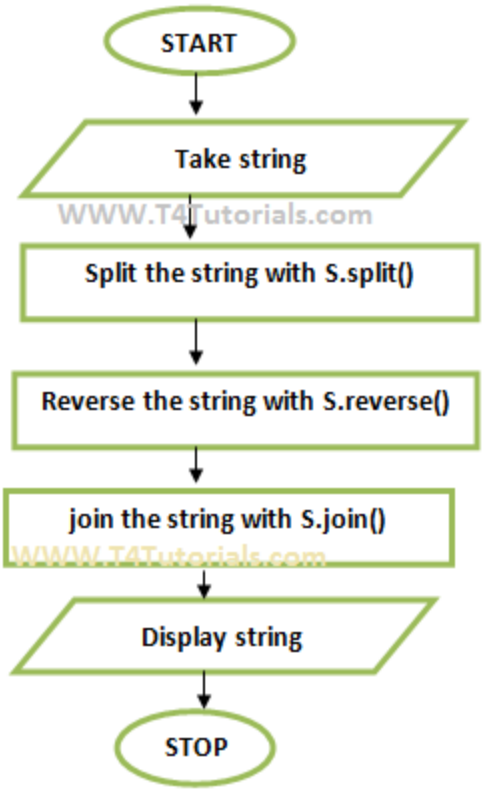


```java
public class CopyArray {
    public static void main(String[] args) {
        //Initialize array
        int [] arr1 = new int [] {1, 2, 3, 4, 5};
        //Create another array arr2 with size of arr1
        int arr2[] = new int[arr1.length];
        //Copying all elements of one array into another
        for (int i = 0; i < arr1.length; i++) {
            arr2[i] = arr1[i];
        }
        //Displaying elements of array arr1
        System.out.println("Elements of original array: ");
        for (int i = 0; i < arr1.length; i++) {
            System.out.print(arr1[i] + " ");
        }

        System.out.println();

        //Displaying elements of array arr2
        System.out.println("Elements of new array: ");
        for (int i = 0; i < arr2.length; i++) {
            System.out.print(arr2[i] + " ");
        }
    }
}
```




```
1. import java.util.Scanner;
2. class ReverseStringExample1
3. {
4. public static void main(String args[])
5. {
6. String s;
```

```
7.  Scanner sc=new Scanner(System.in);
8.  System.out.print("Enter a String: ");
9.  s=sc.nextLine();                    //reading string from user
10. System.out.print("After reverse string is: ");
11. for(int i=s.length();i>0;--i)               //i is the length of the string
12. {
13. System.out.print(s.charAt(i-1));           //printing the character at index i-1
14. }
15. }
16. }
```




```
1.  public class AllSubsets {
2.     public static void main(String[] args) {
3.
4.          String str = "FUN";
5.          int len = str.length();
6.          int temp = 0;
```

```
7.          //Total possible subsets for string of size n is n*(n+1)/2
8.          String arr[] = new String[len*(len+1)/2];
9.
10.         //This loop maintains the starting character
11.         for(int i = 0; i < len; i++) {
12.             //This loop adds the next character every iteration for the subset to form and add it to the
    array
13.             for(int j = i; j < len; j++) {
14.                 arr[temp] = str.substring(i, j+1);
15.                 temp++;
16.             }
17.         }
18.
19.         //This loop prints all the subsets formed from the string.
20.         System.out.println("All subsets for given string are: ");
21.         for(int i = 0; i < arr.length; i++) {
22.             System.out.println(arr[i]);
23.         }
24.     }
25. }
```