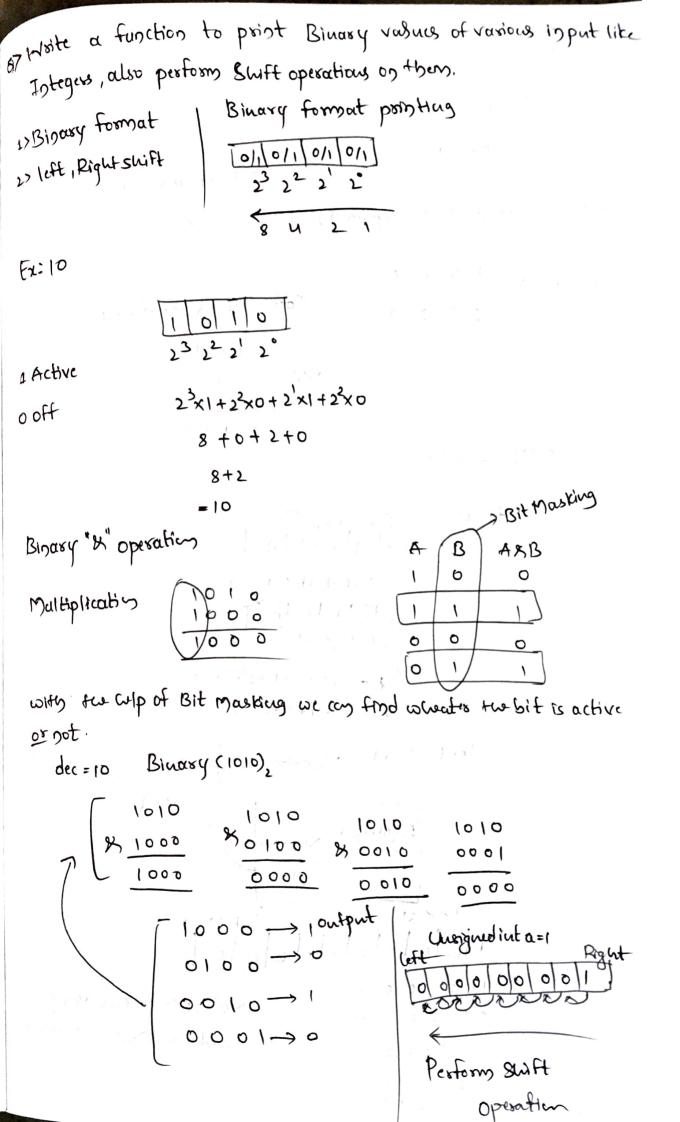
JAVA HANDS ON PRACTICE 9> Get count of words in a string String - "How are you" A A R E You Country-1+1+3=3 IIP get count of count op String words Int

```
J Swap.java

 WordCount.java 1 X
                     SecondLargest.java
C: > Users > raghu > Downloads > 🤳 WordCount.java > Language Support for Java(TM) by Red Hat > 😭 WordCount
      public class WordCount {
           Run main | Debug main | Run | Debug
           public static void main(String[] args) {
               String str = "Java is a powerful programming language";
               str = str.trim();
  6
               // Split by one or more spaces using regex
               String[] words = str.split(regex:"\\s+");
               System.out.println("The string is: " + str);
 11
               System.out.println("Word count: " + words.length);
 12
 14
```

Output:

```
'-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\raghu\a
The string is: Java is a powerful programming language
Word count: 6
PS C:\Users\raghu>
```



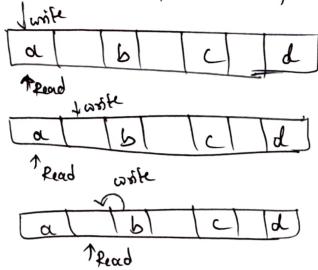
```
Step find Bit logic
   Dusigned 19t n=1
           0=00031
                                     812e of 4x8=32
  for -ve integers (2's complement)
                                          32-1=31
3° complement
                                Add I to i's complement
                                     0 100
                               Add
        0110 -10
           leftsbift
                           Leftswftcc1,0
                      247+23x0+22x1+22x0+22x0
                        16 + 0 + 4+0+0 = 20
                left swift
                                         Habexi 13 number of
                                             SWFE
                      Rightshipt Number
                  1<<31
                                      Bit Masting
                                     - Moz of pife on rash
                                    - Based on Macding Compiler
               001000
                 00100
```

```
Number Stury rafu point point
```

```
C: > Users > raghu > Downloads > 🔳 PrintBinaryDemo.java > Language Support for Java(TM) by Red Hat > ધ PrintBinaryDemo > 🏵 invoke_printBi
      public class PrintBinaryDemo {
           public static void printBinary(int number) {
               int mask = 1; // 1 is already present at 1st bit or house
               mask = mask << ((Integer.BYTES * 8) - 2); // leave 1 bit for sign and 1 bit for already standing
               System.out.println("Binary Representation of " + number);
               while (mask != 0) {
                   if ((number & mask) == 0) {
                       System.out.print(s:"0");
                       System.out.print(s:"1");
                   mask = mask >>> 1; // shift right
               System.out.println();
           public static void invoke_printBinary() {
               int b = -10;
               int d = 255;
               printBinary(a);
               printBinary(b);
               printBinary(c);
               printBinary(d);
           public static void main(String[] args) {
               invoke printBinary();
```

Output:

Using spaces Read write pointer (two pointer Approach)



Or we can use the New StringBuilder & append

```
JIP updatestring off
String Removes pace Void
```

```
C: > Users > raghu > Downloads > 🤳 RemoveSpaces.java > ...
      public class RemoveSpaces {
          public static String removeSpaces(String str) {
              char[] chars = str.toCharArray();
              int n = chars.length;
              // Two pointers: read and write
              int write = 0;
               for (int read = 0; read < n; read++) {</pre>
                   if (chars[read] != ' ') {
                       chars[write] = chars[read];
                       write++;
               return new String(chars, offset:0, write);
          public static void main(String[] args) {
              String input = "a b c d";
              System.out.println("Original String: \"" + input + "\"");
              String result = removeSpaces(input);
              System.out.println("String after removing spaces: \"" + result + "\"");
```