String Programs

1. WAP to reverse a given String

2. WAP to check if a given String is palindrome or not

3. WAP to count the number of words in the String

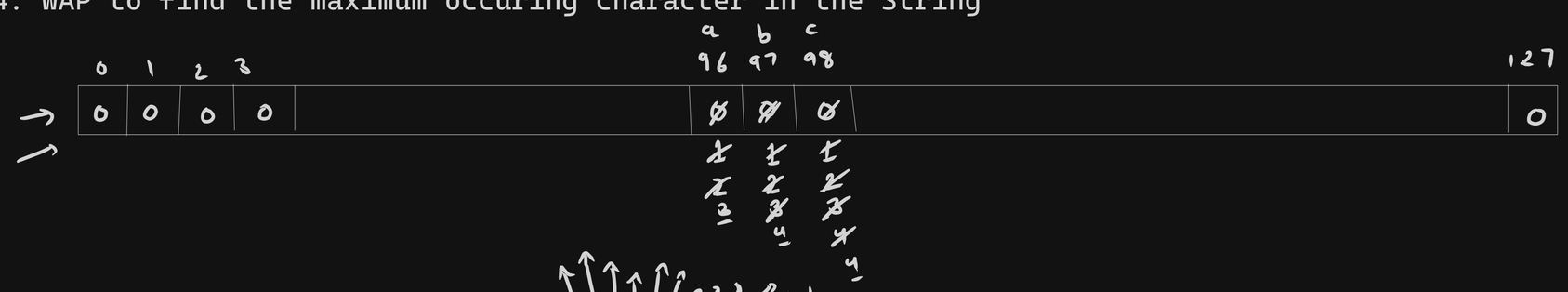
```java
public class MainApp3
{
    public static void main(String[] args)
    {
        String str = "This is my first Java Program demo";

        int wordCount = 0;
        boolean status = false;

        for(int i=0; i<str.length(); i++)
        {
            if(str.charAt(i) != ' ')
            {
                if(status == false)
                {
                    wordCount++;
                    status = true;
                }
            }
            else
            {
                status = false;
            }
        }

        System.out.println("No of words : "+wordCount);
    }
}
```

wordCount = 0 1 2 3

status = false true

i = 0

4. WAP to find the maximum occuring character in the String



① int[] arr = new int[127]; → it will initialize all index positions by 0

② for(string traversing)
{
a → Ascii value index position ++;
}

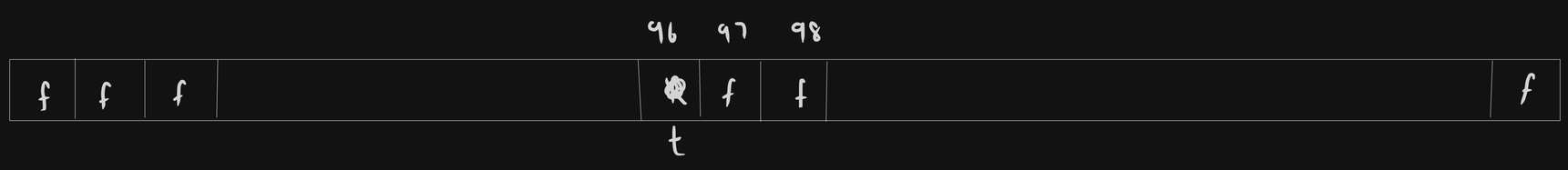
③ Array traverse → max no → get → char → print

5. WAP to print all the duplicate characters in the String

6. WAP to find the first non-repeating character in the String

7. WAP to remove all the duplicate characters from the String

this is my first demo → this ---



① boolean[] arr = new boolean[127];

String newstr = "";

② for(int i=0; i<str.length(); i++)
{
if(arr[str.charAt(i)] == f)
{
→ newstr = newstr + str.charAt(i);
arr[str.charAt(i) = true;
}
}

a a b c b c c a c b c d f