1. WAP to Reverse a String

```
public class RevAString {
    public static void main(String[] args) {
        String str = "Arun Kumar Sharma" ;
        String rev = "" ;
        int N = str.length() ;
        for(int i=N-1 ; i>=0 ; i--){
            rev = rev + str.charAt(i) ;
        }
        System.out.println(rev);
    }
}
```

==========

```
public class RevAString {
    public static void main(String[] args) {
        String str = "Arun Kumar Sharma" ;
        int N = str.length() ;
        StringBuilder sb = new StringBuilder(str) ;
        sb.reverse();
        str = sb.toString();
        System.out.println(str);
    }
```

2.WAP to check weather String is palimdrome or not

```
public class CheckForPalindrome
{
    public static void main(String[] args)
    {
        String str = "racecar" ;
        int N = str.length() ;
        int i = 0 ;
        int j = N-1 ;
        boolean isPalindrome=true ;
        while(i<j){
            if(str.charAt(i)!=str.charAt(j)){
                isPalindrome = false ;
                break ;
            }
            i++ ;
            j-- ;
        }
        if(isPalindrome){
            System.out.println("Yes");
        }
        else{
            System.out.println("No");
        }
    }
}
```

```
public class CheckForPalindrome
{
    public static void main(String[] args)
    {
        String str="abcba";

        int leng=str.length();
        String rev="";

        for(int i=leng-1; i>=0; i--)
        {
            rev=rev+str.charAt(i);
        }

        if(str.equals(rev))
        {
            System.out.println("String is
palindrome");
        }
        else
        {
            System.out.println("String is not
palindrome");
        }
```

3. WAP to Count the number of words in a String

```
public class CountStringWords
{
    public static void main(String[] args)
    {
        String str = "Arun Kumar Sharma" ;
        String [] arr = str.split(" ") ;
        System.out.println(arr.length);
    }
}
```

* give incorrect answer if more spaces increases

==========

```
public class CountStringWords
{
    public static void main(String[] args)
    {
        String str = "Arun  Kumar\n Sharma\t" ;
        int N = str.length() ;
        boolean b = true ;
        int count = 0 ;
        for(int i=0 ; i<N ; i++){
            if(str.charAt(i)==' ' || str.charAt(i)=='\t' || str.charAt(i)=='\n'){
                b = true ;
            }
            else if(b){
                count++ ;
                b=false ;
            }
        }
        System.out.println(count);
    }
}
```

4. WAP to find the Maximum Occuring character in a String

```
public class MaxOccuring
{
    public static void main(String[] args)
    {
        String str = "abdbbdde   asdfg" ;
        str = str.replaceAll(" ", "") ;  //to remove the spaces
        System.out.println(str);
        int [] arr = new int[126] ;
        int N = str.length() ;
        for(int i=0 ; i<N ; i++){
            char c = str.charAt(i) ;
            arr[c] = arr[c]+1 ;   //c--> converted to ASCII Value
        }
        int max = -1 ;
        char maxChar = ' ' ;
        for(int i=0 ; i<126 ; i++){
            if(arr[i]>max){
                max = arr[i] ;
                maxChar = (char)i ;
            }
        }
        System.out.println(maxChar);
    }
}
```

5. WAP to find the Minimum occuring Character in a String

```
public class MinOccuringChar
{
    public static void main(String[] args)
    {
        String str="adbccbdcddcc";

        int[] arr=new int[126];

        for(int i=0; i<str.length(); i++)
        {
            arr[str.charAt(i)]=arr[str.charAt(i)]+1;
        }

        int min=str.length();
        char c=' ';
        for(int i=0; i<str.length(); i++)
        {
            if(arr[str.charAt(i)]<min)
            {
                min=arr[str.charAt(i)];
                c=str.charAt(i);
            }
        }

        System.out.println("Minimum repeated character is : "+c);
    }
}
```

6. WAP to find the Duplicate character in a String

```
public class AllDuplicateChars
{
    public static void main(String[] args)
    {
        String str="abdbcdbdd";

        str=str.replaceAll("\\s", "");
        //System.out.println(str);

        int[] arr=new int[126];

        for(int i=0; i<str.length(); i++)
        {
            arr[str.charAt(i)]=arr[str.charAt(i)]+1;
        }

        for(int i=0; i<arr.length; i++)
        {
            if(arr[i]>1)
            {
                System.out.println((char)i+" repeated "+arr[i]+" times");
            }
        }
    }
}
```