**Reversing a number (3 ways):**

*/\*\*  
 \* Using algorithm  
 \*/***int** num=5369;  
**int** rev=0;  
**while**(num!=0) {  
rev=rev\*10+num%10;  
num=num/10;  
 }  
System.***out***.println(rev);  
  
*/\*\*  
 \* Using StringBuffer class  
 \*/***int** num1= 69458;  
  
StringBuffer sbf=**new** StringBuffer(String.*valueOf*(num1));  
StringBuffer rev1=sbf.reverse();  
System.***out***.println(rev1);  
  
*/\*\*  
 \* Using StringBuilder  
 \*/***int** num3=92546456;  
  
StringBuilder sbd=**new** StringBuilder(num3);  
sbd.append(num3);  
StringBuilder rev3= sbd.reverse();  
System.***out***.println(rev3);

**Reversing a String (4 ways)**

*/\*\*  
 \* Using algorithm  
 \*/*

String str=**"chakra"**;  
String revString=**""**;  
**for**(**int** i=str.length()-1;i>=0;i--)  
{  
 revString=revString+str.charAt(i);  
}  
System.***out***.println(revString);

*/\*\*  
 \* Using char array char[]  
 \*/*String s=**"rohan"**;  
**char**[] arr;  
arr=s.toCharArray();  
String revArr=**""**;  
  
**for**(**int** i=arr.**length**-1;i>=0;i--)  
{  
 revArr=revArr+arr[i];  
}  
System.***out***.println(revArr);

*/\*\*  
 \* Using StringBuffer  
 \*/*

String str2=**"srini"**;  
StringBuffer sbf=**new** StringBuffer(str2);  
StringBuffer revStr1=sbf.reverse();  
System.***out***.println(revStr1);

*/\*\*  
 \* Using StringBuilder  
 \*/*

String str=**"chakra"**;  
  
StringBuilder sbd=**new** StringBuilder(str);  
StringBuilder revStr=sbd.reverse();  
System.***out***.println(revStr);

**Using Set Eliminating duplicates in Array:**

*/\*\*  
 \* Eliminate duplicate strings from an array using Set.  
 \*/*String[] arr1={**"c"**,**"c++"**,**"java"**,**"c"**};  
  
System.***out***.println(**"before "**+ arr1);  
Set<String> s=**new** HashSet<String>(Arrays.*asList*(arr1));  
System.***out***.println(**"after "**+s);

**Number of occurrences of char in Array:**

*/\*\*  
 \* Eliminated duplicate chars from an array.  
 \*/***char**[] c={**'b'**,**'a'**,**'l'**,**'l'**,**'a'**};  
**int** count=0;  
 **for**(**int** i=0;i<c.**length**;i++)  
 {  
 **for**(**int** j=i+1;j<c.**length**;j++)  
 {  
 **if**(c[i]==c[j])  
 {  
 count++;  
 System.***out***.println(**"char : "** + c[i] + **" occurs "** + count +**" times "**);  
  
 }  
 }  
 }

*/\*\*  
 \* Reverse every and every word in the String  
 \*/* String orgstr=**"balla srinivasa chakravarthy"**;  
 String[] arr=orgstr.split(**" "**);  
 String rev=**""**;  
  
 **for**(String s: arr) {  
 String word=**""**;  
 **for**(**int** i=s.length()-1;i>=0;i--) {  
 word=word+s.charAt(i)+**" "**;  
 }  
 rev=rev+word+**" "**;  
 }  
 System.***out***.println(rev);  
  
*/\*\*  
 \* Using StringBuilder class  
 \*/* String orString=**"Hello World"**;  
 String[] orSplit=orString.split(**"\\s"**);  
 String revword=**""**;  
  
 **for**(String s: orSplit)  
 {  
 StringBuilder sb=**new** StringBuilder(s);  
 sb.reverse();  
 revword=revword+sb.toString()+**" "**;  
 }  
  
 System.***out***.println(revword);