

//Questions on a String pt1

```
import java.util.*;
```

```
public class ReverseAString{
    public static void main(String[] args)
    {
        String s1 = "CipherSchools";
        int n = s1.length();
        char arr[] = new char[n];
        for(int i=0;i<n; i++)
        {
            arr[i] = s1.charAt(n-1-i);
        }
        String rev = new String(arr);
        System.out.println(rev);
    }
}
```

```
//time complexity [TC] = O(n)
//Is it an inplace solution ? --> no we created arr[]
// What is space complexity --> O(n) -->for arr[n]
```

```
String res = new String();
for( int i =n-1; i>=0; i--)
{
    res = res+s1.charAt(i); //TC = O(n)
}
System.out.println(res);
```

```
char strArr[] = s1.toCharArray();
int l=0;
int r= n-1;
while(l<r)
{
    char temp = strArr[l];
    strArr[l] = strArr[r];
    strArr[r] = temp;
    l++;
    r--;
}
//swapping completed
String result = new String(strArr);
System.out.println(result);
}
```