1. Find the first element of stream in java

Solution 1: using findFirst() method

Stream<String> stream1  
 = Stream.*of*("Geek\_First", "Geek\_2",  
 "Geek\_3", "Geek\_4",  
 "Geek\_Last");  
String first\_element=stream1.findFirst().orElse(null);  
System.*out*.println(first\_element);

Solution2 : using reduce() method

Stream<String> stream1  
 = Stream.*of*("Geek\_First", "Geek\_2",  
 "Geek\_3", "Geek\_4",  
 "Geek\_Last");  
String first\_element1=stream1.reduce((a,b)->a).orElse(null);  
System.*out*.println(first\_element1);

1. Find the last element of stream in java

**Solution1 :** using reduce() method

Stream<String> stream1  
 = Stream.*of*("Geek\_First", "Geek\_2",  
 "Geek\_3", "Geek\_4",  
 "Geek\_Last");  
 String last\_element=stream1.reduce((a,b)->b).orElse(null);  
System.*out*.println(last\_element);

**Solution2**: using Collections.reverseOrder()

**Here, we are reversing the stream and returning the first element**

**sorted(Collections.reverseOrder()) is used to reverse stream**

Stream<String> stream1  
 = Stream.*of*("Geek\_First", "Geek\_2",  
 "Geek\_3", "Geek\_4",  
 "Geek\_Last");  
String last\_element=stream1.sorted(Collections.*reverseOrder*())  
 .findFirst()  
 .orElse(null);  
System.*out*.println(last\_element);