```
import java.util.*;
//import java.util.String;
import java.util.Arrays;
import java.util.stream.Collectors;
public class StreamDemo
{
public static void main (String args[])
{
List <Double> amplitudes=Arrays.asList(new Double[]
{4.5,1.0,2.2,3.5,4.7,5.0,0.12,0.21});
System.out.println(amplitudes);
double upperThreshold=4.5;
double lowerThreshold=0.5;
int multiplier=2;
List<Double>
filteredAmplitudes=amplitudes.stream().filter(amp-
>amp<=upperThreshold &&
amp>=lowerThreshold).map(amp-
>amp*multiplier).collect(Collectors.toList());
System.out.println(filteredAmplitudes);
double
minAmpl=filteredAmplitudes.stream().min(Double::compa
re).get();
double
maxAmpl=filteredAmplitudes.stream().max(Double::compa
re).get();
System.out.println("The maximum amplitude in the
filtered amplitudes is: "+maxAmpl);
```

```
System.out.println("The minimum amplitude in the
filtered amplitudes is: "+minAmpl);
}
}
```