/\*Assignment based on Java Stream\*/

Program-

import java.util.\*;

import java.util.stream.\*;

public class Demo

{

public static void main(String args[])

{

List<Integer> number = Arrays.asList(2,3,4,5);

List<Integer> square = number.stream().map(x -> x\*x).

collect(Collectors.toList());

System.out.println(square);

List<String> names =

Arrays.asList("Reflection","Collection","Stream");

List<String> result = names.stream().filter(s->s.startsWith("S")).

collect(Collectors.toList());

System.out.println(result);

List<String> show = names.stream().sorted().collect(Collectors.toList());

System.out.println(show);

List<Integer> numbers = Arrays.asList(2,3,4,5,2);

Set<Integer> squareSet =

numbers.stream().map(x->x\*x).collect(Collectors.toSet());

System.out.println(squareSet);

number.stream().map(x->x\*x).forEach(y->System.out.println(y));

int even =

number.stream().filter(x->x%2==0).reduce(0,(ans,i)-> ans+i);

System.out.println(even);

}

}

Output-

