package java8;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.List;

import java.util.function.Predicate;

public class ReferenceToStaticMethod {

public static void main(String[] args) {

List<String> a = Arrays.asList("aba","aaa","abba","acdf","abcddcba","avdc","abcdef");

List<String> palindromes = ReferenceToStaticMethod.findPal(a,

(str) -> ReferenceToStaticMethod.isPal((String) str));

System.out.println("Palindromes are " + palindromes);

}

public static boolean isPal(String str) {

StringBuffer newStr =new StringBuffer();

for(int j = str.length()-1; j >= 0 ; j--) {

newStr = newStr.append(str.charAt(j));

}

if(str.equalsIgnoreCase(newStr.toString())) {

return true;

} else {

return false;

}

}

public static List<String> findPal(List<String> list, Predicate<String> predicate) {

List<String> sortedpal = new ArrayList<String>();

list

.stream()

.filter((i) -> (predicate.test((String) i))).forEach((i) -> {

sortedpal.add((String) i);

});

return sortedpal;

}

}