**Assignment 6**

**1. Swap First and Last Elements:**

import java.util.Arrays;

public class SwapFirstLast {

public static void main(String[] args) {

int[] arr = {1, 2, 3, 4, 5};

// Swap the first and last elements

int temp = arr[0];

arr[0] = arr[arr.length - 1];

arr[arr.length - 1] = temp;

System.out.println(Arrays.toString(arr));

}

}

**2. Reverse Array Elements:**

import java.util.Arrays;

public class ReverseArray {

public static void main(String[] args) {

int[] arr = {1, 2, 3, 4, 5};

// Reverse the array using a loop

for (int i = 0, j = arr.length - 1; i < j; i++, j--) {

int temp = arr[i];

arr[i] = arr[j];

arr[j] = temp;

}

System.out.println(Arrays.toString(arr));

}

}

**3. Print Palindrome Numbers:**

import java.util.Arrays;

public class PalindromeNumbers {

public static void main(String[] args) {

int[] arr = {10, 11, 12, 13, 22, 55};

for (int num : arr) {

int reversed = 0, original = num;

while (num > 0) {

int digit = num % 10;

reversed = reversed \* 10 + digit;

num /= 10;

}

if (original == reversed) {

System.out.println(original);

}

}

}

}

**4. Print Perfect Square Numbers:**

import java.util.Arrays;

public class PerfectSquareNumbers {

public static void main(String[] args) {

int[] arr = {1, 2, 3, 4, 5};

for (int num : arr) {

int sqrt = (int) Math.sqrt(num);

if (sqrt \* sqrt == num) {

System.out.println(num);

}

}

}

}