1.PalindromeCheck.java

public class PalindromeCheck {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String str = sc.nextLine();

boolean isPalindrome = true;

for (int i = 0; i < str.length() / 2; i++) {

if (str.charAt(i) != str.charAt(str.length() - i - 1)) {

isPalindrome = false;

break;

}

}

if (isPalindrome)

System.out.println("Palindrome");

else

System.out.println("Not a Palindrome");

}

}

2.Reversestring.java

public class ReverseString {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String str = sc.nextLine();

String reversed = "";

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

reversed += str.charAt(i);

}

System.out.println(reversed);

}

}

3.NumberPattern.java

public class NumberPattern {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int rows = sc.nextInt();

int num = 1;

for (int i = 1; i <= rows; i++) {

for (int j = 1; j <= i; j++) {

System.out.print(num++ + " ");

}

System.out.println();

}

}

}

4.StarPattern.java

public class StarPattern {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int rows = sc.nextInt();

for (int i = 1; i <= rows; i++) {

for (int j = 1; j <= i; j++) {

System.out.print("\* ");

}

System.out.println();

}

}

}

5.GradingSystem.java

public class GradingSystem {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int marks = sc.nextInt();

if (marks > 100) {

System.out.println("Invalid Input");

} else if (marks == 100) {

System.out.println("S");

} else if (marks >= 90) {

System.out.println("A");

} else if (marks >= 80) {

System.out.println("B");

} else if (marks >= 70) {

System.out.println("C");

} else if (marks >= 60) {

System.out.println("D");

} else if (marks >= 50) {

System.out.println("E");

} else {

System.out.println("F");

}

}

}

6.HotelTariff.java

public class HotelTariff {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int month = sc.nextInt();

double rentPerDay = sc.nextDouble();

int days = sc.nextInt();

switch (month) {

case 4: case 5: case 6: case 11: case 12:

rentPerDay += rentPerDay \* 0.20;

break;

default:

break;

}

double total = rentPerDay \* days;

System.out.printf("%.2f", total);

}

}

7.LargestofThree.java

public class LargestOfThree {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int a = sc.nextInt();

int b = sc.nextInt();

int c = sc.nextInt();

int largest = a;

if (b > largest) largest = b;

if (c > largest) largest = c;

System.out.println(largest);

}

}