**TIME 24**

import java.util.Scanner;

public class TimeNormalizer {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int hours = scanner.nextInt();

int minutes = scanner.nextInt(

int seconds = scanner.nextInt();

minutes += seconds / 60;

seconds = seconds % 60;

hours += minutes / 60;

minutes = minutes % 60;

System.out.println("Total Number of hours is " + hours);

System.out.println("Total Number of minutes is " + minutes);

System.out.println("Total Number of seconds is " + seconds);

}

}

**PROFIT CALCULATOR 1**

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int x = sc.nextInt();

int a = sc.nextInt();

int b = sc.nextInt();

double profit = (a - b) \* x - 100;

System.out.println("Number of copies sold:" + x);

System.out.println("Cost of each copy:" + a);

System.out.println("Cost spent by agency on each newspaper:" + b);

System.out.printf("The profit obtained is Rs.%.2f", profit);

}

}

**ALICE IN WONDERLAND 6**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int sum = (num / 10) + (num % 10);

System.out.println("Bird said:" + num);

System.out.println("Alice must go in path-" + sum);

}

}

**AREA AND PERIMETER OF TRIANGLE. 1**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int base = sc.nextInt();

int height = sc.nextInt();

int side1 = sc.nextInt();

int side2 = sc.nextInt();

int side3 = sc.nextInt();

double area = 0.5 \* base \* height;

double perimeter = side1 + side2 + side3;

System.out.printf("Area of Triangle is %.2f\n", area);

System.out.printf("Perimeter of Triangle is %.2f\n", perimeter);

}

}

**GRADING SYSTEM 20**

import java.util.Scanner;

public class Main {

public static String calculateGrade(double average) {

if (average == 100) {

return "S";

} else if (average >= 90) {

return "A";

} else if (average >= 80) {

return "B";

} else if (average >= 70) {

return "C";

} else if (average >= 60) {

return "D";

} else if (average >= 50) {

return "E";

} else {

return "Fail";

}

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String name = sc.nextLine();

int mark1 = sc.nextInt();

int mark2 = sc.nextInt();

int mark3 = sc.nextInt();

int mark4 = sc.nextInt();

int mark5 = sc.nextInt();

sc.close();

int total = mark1 + mark2 + mark3 + mark4 + mark5;

double average = total / 5.0;

String grade = calculateGrade(average);

System.out.println("Name of the Student:" + name);

System.out.println("Total Mark:" + total);

System.out.println("Average Mark:" + average);

System.out.println("Grade Mark:" + grade);

}

}

**WEEKDAY NAME FROM NUMBER 2**

import java.util.Scanner;

public class WeekdayNameFromNumber {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int dayNumber = scanner.nextInt();

switch (dayNumber) {

case 1:

System.out.println("Monday");

break;

case 2:

System.out.println("Tuesday");

break;

case 3:

System.out.println("Wednesday");

break;

case 4:

System.out.println("Thursday");

break;

case 5:

System.out.println("Friday");

break;

case 6:

System.out.println("Saturday");

break;

case 7:

System.out.println("Sunday");

break;

default:

System.out.println("Enter a valid Input");

break;

}

scanner.close();

}

}

**LARGEST OF THREE NUMBERS 12**

import java.util.Scanner;

public class LargestOfThree {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int a = scanner.nextInt();

int b = scanner.nextInt();

int c = scanner.nextInt();

if (a >= b) {

if (a >= c) {

System.out.println("a is largest then b and c");

} else {

System.out.println("c is largest then a and b");

}

} else { // b > a

if (b >= c) {

System.out.println("b is largest then a and c");

} else {

System.out.println("c is largest then a and b");

}

}

scanner.close();

}

}

**ARITHMETIC CALCULATION-CASE 1**

import java.util.Scanner;

public class ArithmeticCalculator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int num1 = scanner.nextInt();

int num2 = scanner.nextInt();

char operator = scanner.next().charAt(0);

switch (operator) {

case '+':

System.out.println("Addition of two number is " + (double) (num1 + num2));

break;

case '-':

System.out.println("Subtraction of two number is " + (double) (num1 - num2));

break;

case '\*':

System.out.println("Multiplication of two number is " + (double) (num1 \* num2));

break;

case '/':

if (num2 == 0) {

System.out.println("Cannot divide by zero");

} else {

System.out.println("Division of two number is " + (double) (num1 / num2));

}

break;

case '%':

System.out.println("Modulo of two number is " + (double) (num1 % num2));

break;

default:

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

break;

}

scanner.close();

}

}

**CHECK NUMBER IS POSITIVE, NEGATIVE, OR ZERO**

import java.util.Scanner;

public class CheckNumber {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int number = scanner.nextInt();

if (number > 0) {

System.out.println("positive");

} else if (number < 0) {

System.out.println("negative");

} else {

System.out.println("zero");

}

scanner.close();

}

}

**CHECK IF GIVEN NUMBER IS PALINDROME**

import java.util.Scanner;

public class PalindromeCheck {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int number = scanner.nextInt();

if (number >= 100 && number <= 999) {

int originalNumber = number;

int reversedNumber = 0;

while (number != 0) {

int remainder = number % 10;

reversedNumber = reversedNumber \* 10 + remainder;

number /= 10;

}

if (originalNumber == reversedNumber) {

System.out.println("palindrome");

} else {

System.out.println("not palindrome");

}

} else {

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

}

scanner.close();

}

}

**RICHEST CUSTOMER WEALTH 7**

import java.util.Scanner;

public class RichestCustomerWealth {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int m = sc.nextInt();

int n = sc.nextInt();

int[][] accounts = new int[m][n];

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++) {

accounts[i][j] = sc.nextInt();

}

}

int maxWealth = 0;

for (int i = 0; i < m; i++) {

int wealth = 0;

for (int j = 0; j < n; j++) {

wealth += accounts[i][j];

}

if (wealth > maxWealth) {

maxWealth = wealth;

}

}

System.out.println("Richest Customer Wealth is " + maxWealth);

sc.close();

}

}

**Transpose Matrix 24**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt(); // size of matrix (rows = columns)

int[][] matrix = new int[n][n];

for (int i = 0; i < n; i++) {

for (int j = 0; j < n; j++) {

matrix[i][j] = sc.nextInt();

}

}

System.out.println("Array elements are:");

for (int i = 0; i < n; i++) {

for (int j = 0; j < n; j++) {

System.out.print(matrix[i][j] + " ");

}

System.out.println();

}

System.out.println("Transpose matrix is:");

for (int j = 0; j < n; j++) {

for (int i = 0; i < n; i++) {

System.out.print(matrix[i][j] + " ");

}

System.out.println();

}

}

}

**MAXIMUM OF EACH COLUMN 1**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int rows = sc.nextInt();

int cols = sc.nextInt();

int[][] arr = new int[rows][cols];

for (int i = 0; i < rows; i++) {

for (int j = 0; j < cols; j++) {

arr[i][j] = sc.nextInt();

}

}

for (int j = 0; j < cols; j++) {

int max = arr[0][j];

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

if (arr[i][j] > max) {

max = arr[i][j];

}

}

System.out.println("Maximum value in column " + (j + 1) + " is " + max);

}

}

}