**1.Float Formation 1**

Import java.io.\*;

Import java.util.\*;

Public class Solution {

Public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

Float f = sc.nextFloat();

Sc.close();

System.out.printf(“%.6f%n”, f);

System.out.printf(“%.4f%n”, f);

System.out.printf(“%.2f%n”, f);

System.out.println(Math.round(f));

}

}

**2.PROFIT CALCULATOR 1**

Import java.io.\*;

Import java.util.\*;

Public class Solution {

Public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

Int x = sc.nextInt();

Int a = sc.nextInt();

Int b = sc.nextInt();

Int profit = (x \* a) – (x \* b) – 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.println(“The profit obtained is Rs.” + profit + “.00”);

Sc.close();

}

}

**3.THREE IDIOTS 2**

Import java.io.\*;

Import java.util.\*;

Public class Solution {

Public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

Double x1 = sc.nextDouble();

Double y1 = sc.nextDouble();

Double x2 = sc.nextDouble();

Double y2 = sc.nextDouble();

Sc.close();

Double midX = (x1 + x2) / 2.0;

Double midY = (y1 + y2) / 2.0;

System.out.printf(“Binoy’s house is located at (%.1f,%.1f)%n”, midX, midY);

}

}

**4.Alice in wonderland 6**

Import java.io.\*;

Import java.util.\*;

Public class Solution {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

Int twoDigitNumber = scanner.nextInt();

Scanner.close();

Int firstDigit = twoDigitNumber / 10;

Int secondDigit = twoDigitNumber % 10;

Int sumOfDigits = firstDigit + secondDigit;

System.out.println(“Bird said:” + twoDigitNumber);

System.out.println(“Alice must go in path-“ + sumOfDigits);

}

}

**5.Area and Perimeter of Triangle. 1**

Import java.util.Scanner;

Public class Solution {

Public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

Int base = scanner.nextInt();

Int height = scanner.nextInt();

Int side1 = scanner.nextInt();

Int side2 = scanner.nextInt();

Int side3 = scanner.nextInt();

Scanner.close();

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);

}

}

**6.Time 24**

Import java.io.\*;

Import java.util.\*;

Public class Solution {

Public static void main(String[] args) {

Scanner scan = new Scanner(System.in);

Int hours = scan.nextInt();

Int minutes = scan.nextInt();

Int seconds = scan.nextInt();

Scan.close();

Int totalSeconds = (hours \* 3600) + (minutes \* 60) + seconds;

Int finalHours = totalSeconds / 3600;

Int remainingSecondsAfterHours = totalSeconds % 3600;

Int finalMinutes = remainingSecondsAfterHours / 60;

Int finalSeconds = remainingSecondsAfterHours % 60;

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

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

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

}

}

**7.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 {

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();

}

}

**8.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 num = scanner.nextInt();

If (num < 100 || num > 999) {

System.out.println(“Invalid Input”);

} else {

Int original = num;

Int reversed = 0;

While (num != 0) {

Int digit = num % 10;

Reversed = reversed \* 10 + digit;

Num /= 10;

}

If (original == reversed) {

System.out.println(“palindrome”);

} else {

System.out.println(“not palindrome”);

}

}

Scanner.close();

}

}