```java
import java.io.*;

public class tarea8_ejrc2 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Ángulo A: "); int a = Integer.parseInt(br.readLine());
        System.out.print("Ángulo B: "); int b = Integer.parseInt(br.readLine());
        System.out.print("Ángulo C: "); int c = Integer.parseInt(br.readLine());

        if (a + b + c == 180 && a > 0 && b > 0 && c > 0) {
            if (a == 90 || b == 90 || c == 90) System.out.println("Rectángulo");
            else if (a > 90 || b > 90 || c > 90) System.out.println("Obtusángulo");
            else System.out.println("Acutángulo");
        } else {
            System.out.println("Ángulos Inválidos");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc3 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("x1 y1: ");
        int x1 = Integer.parseInt(br.readLine()); int y1 = Integer.parseInt(br.readLine());
        System.out.print("x2 y2: ");
        int x2 = Integer.parseInt(br.readLine()); int y2 = Integer.parseInt(br.readLine());

        int dx = Math.abs(x1 - x2);
        int dy = Math.abs(y1 - y2);

        if ((dx == 2 && dy == 1) || (dx == 1 && dy == 2)) {
            System.out.println("Movimiento Válido");
        } else {
            System.out.println("Inválido");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc4 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Edad: "); int edad = Integer.parseInt(br.readLine());
        System.out.print("Fuerza (0-100): "); int fuerza = Integer.parseInt(br.readLine());
        System.out.print("Visión (0.0-1.0): "); double vision = Double.parseDouble(br.readLine());

        if (edad >= 18 && edad <= 25) {
            if (fuerza > 80 && vision >= 0.8) System.out.println("Fuerzas Especiales");
            else if (fuerza > 50) System.out.println("Infantería");
            else System.out.println("No apto");
        } else if (edad > 25) {
            if (vision >= 0.9) System.out.println("Estratega");
            else System.out.println("No apto");
        } else {
            System.out.println("No apto");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc5 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Año: ");
        int y = Integer.parseInt(br.readLine());

        if (y % 2 == 0 && y % 10 != 0 && y % 4 == 2 && y >= 2000 && y <= 3000) {
            System.out.println("Año de Oro");
        } else {
            System.out.println("Año Ordinario");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc6 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Esquina 1 (x1 y1): ");
        int x1 = Integer.parseInt(br.readLine()); int y1 = Integer.parseInt(br.readLine());
        System.out.print("Esquina 2 (x2 y2): ");
        int x2 = Integer.parseInt(br.readLine()); int y2 = Integer.parseInt(br.readLine());
        System.out.print("Punto (px py): ");
        int px = Integer.parseInt(br.readLine()); int py = Integer.parseInt(br.readLine());

        if ((px == x1 || px == x2) && (py >= y1 && py <= y2) || (py == y1 || py == y2) && (px >= x1 && px <= x2)) {
            System.out.println("Borde");
        } else if (px > x1 && px < x2 && py > y1 && py < y2) {
            System.out.println("Dentro");
        } else {
            System.out.println("Fuera");
        }
    }
}
```

```java
package fundamentos_de_la_programacion;
import java.io.*;

public class tarea8_ejrc7 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Centro 1 y Radio: ");
        double x1 = Double.parseDouble(br.readLine()); double y1 = Double.parseDouble(br.readLine()); double r1 = Double.parseDouble(br.readLine());
        System.out.print("Centro 2 y Radio: ");
        double x2 = Double.parseDouble(br.readLine()); double y2 = Double.parseDouble(br.readLine()); double r2 = Double.parseDouble(br.readLine());

        double distanciaCuadrado = Math.pow(x2 - x1, 2) + Math.pow(y2 - y1, 2);
        double radiosSumadosCuadrado = Math.pow(r1 + r2, 2);

        if (distanciaCuadrado < radiosSumadosCuadrado) System.out.println("Traslapan");
        else if (distanciaCuadrado == radiosSumadosCuadrado) System.out.println("Tangentes");
        else System.out.println("No se tocan");
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc8 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Número de 4 cifras: ");
        int n = Integer.parseInt(br.readLine());

        int d1 = n / 1000;
        int d2 = (n / 100) % 10;
        int d3 = (n / 10) % 10;
        int d4 = n % 10;

        if (d1 == d4 && d2 == d3) System.out.println("Es Capicúa");
        else System.out.println("No lo es");
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc9 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Lados A B C (C el mayor): ");
        double a = Double.parseDouble(br.readLine());
        double b = Double.parseDouble(br.readLine());
        double c = Double.parseDouble(br.readLine());

        double sumaCatetos = (a * a) + (b * b);
        double hipotenusaSq = c * c;

        if (Math.abs(sumaCatetos - hipotenusaSq) < 0.0001) System.out.println("Rectángulo");
        else if (sumaCatetos > hipotenusaSq) System.out.println("Acutángulo");
        else System.out.println("Obtusángulo");
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc10 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("f1 c1: ");
        int f1 = Integer.parseInt(br.readLine()); int c1 = Integer.parseInt(br.readLine());
        System.out.print("f2 c2: ");
        int f2 = Integer.parseInt(br.readLine()); int c2 = Integer.parseInt(br.readLine());

        if ((f1 == f2 || c1 == c2) && !(f1 == f2 && c1 == c2)) {
            System.out.println("Válido");
        } else {
            System.out.println("Inválido");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc11 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Puntos A: "); int a = Integer.parseInt(br.readLine());
        System.out.print("Puntos B: "); int b = Integer.parseInt(br.readLine());

        if (a == 6 && b <= 4) System.out.println("Gana A");
        else
            if (b == 6 && a <= 4) System.out.println("Gana B");
        else
            if (a == 5 && b == 5) System.out.println("Deben llegar a 7");
        else
            if (a == 7 && b == 5) System.out.println("Gana A");
        else
            if (b == 7 && a == 5) System.out.println("Gana B");
        else
            if (a == 6 && b == 6) System.out.println("Muerte súbita");
        else System.out.println("En juego");
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc12 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Día: "); int d = Integer.parseInt(br.readLine());
        System.out.print("Mes: "); int m = Integer.parseInt(br.readLine());
        System.out.print("Bisiesto (true/false): "); boolean bisiesto = Boolean.parseBoolean(br.readLine());

        boolean valida = false;
        if (m >= 1 && m <= 12) {
            if (m == 2) {
                if (bisiesto && d >= 1 && d <= 29) valida = true;
                else if (!bisiesto && d >= 1 && d <= 28) valida = true;
            } else if (m == 4 || m == 6 || m == 9 || m == 11) {
                if (d >= 1 && d <= 30) valida = true;
            } else {
                if (d >= 1 && d <= 31) valida = true;
            }
        }
        System.out.println(valida ? "Fecha Válida" : "Inválida");
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc13 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Peso: ");
        double p = Double.parseDouble(br.readLine());

        if (p < 52) System.out.println("Mosca");
        else if (p <= 63) System.out.println("Ligero");
        else if (p <= 75) System.out.println("Mediano");
        else if (p <= 91) System.out.println("Pesado");
        else System.out.println("Súper Pesado");
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc14 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Temp: "); int t = Integer.parseInt(br.readLine());
        System.out.print("Hum: "); int h = Integer.parseInt(br.readLine());

        if (t > 30 && h > 80) System.out.println("Sofocante");
        else if (t < 15 && h > 80) System.out.println("Frío Húmedo");
        else System.out.println("Normal");
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc15 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Examen 1: "); int e1 = Integer.parseInt(br.readLine());
        System.out.print("Examen 2: "); int e2 = Integer.parseInt(br.readLine());
        System.out.print("Examen 3: "); int e3 = Integer.parseInt(br.readLine());

        double promedio = (e1 + e2 + e3) / 3.0;

        if (promedio > 90) {
            if (e1 == 100 || e2 == 100 || e3 == 100) System.out.println("Oro con Honores");
            else System.out.println("Oro");
        } else if (promedio >= 80) {
            System.out.println("Plata");
        } else {
            System.out.println("Sin medalla");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc16 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("IP: "); String ip = br.readLine();
        System.out.print("Puerto: "); int puerto = Integer.parseInt(br.readLine());
        System.out.print("Protocolo: "); String proto = br.readLine();

        if (ip.equals("192.168.1.50")) {
            System.out.println("Tráfico Bloqueado");
        } else if ((puerto == 80 || puerto == 443) && proto.equalsIgnoreCase("TCP")) {
            System.out.println("Tráfico Permitido");
        } else if (puerto == 53 && proto.equalsIgnoreCase("UDP")) {
            System.out.println("Tráfico Permitido");
        } else {
            System.out.println("Bloqueado por defecto");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc17 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Longitud: "); int len = Integer.parseInt(br.readLine());
        System.out.print("Mayus (true/false): "); boolean m = Boolean.parseBoolean(br.readLine());
        System.out.print("Num (true/false): "); boolean n = Boolean.parseBoolean(br.readLine());
        System.out.print("Especial (true/false): "); boolean e = Boolean.parseBoolean(br.readLine());

        if (len < 8) {
            System.out.println("Insegura");
        } else {
            int contador = (m ? 1 : 0) + (n ? 1 : 0) + (e ? 1 : 0);
            if (contador == 3) System.out.println("Muy Fuerte");
            else if (contador == 2) System.out.println("Fuerte");
            else System.out.println("Débil");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc18 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("S1 S2 S3: ");
        double s1 = Double.parseDouble(br.readLine());
        double s2 = Double.parseDouble(br.readLine());
        double s3 = Double.parseDouble(br.readLine());

        if (Math.abs(s1 - s2) > 20 || Math.abs(s1 - s3) > 20 || Math.abs(s2 - s3) > 20) {
            System.out.println("Error de Sensor");
        } else {
            double prom = (s1 + s2 + s3) / 3.0;
            if (prom > 80) System.out.println("Alerta de Incendio");
            else if (prom > 60) System.out.println("Alerta de Sobrecalentamiento");
            else System.out.println("Estado Normal");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc19 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Primer Octeto: ");
        int octeto = Integer.parseInt(br.readLine());

        if (octeto >= 1 && octeto <= 127) {
            System.out.println("Clase A - " + (octeto == 10 ? "Privada" : "Pública"));
        } else if (octeto >= 128 && octeto <= 191) {
            System.out.println("Clase B - " + (octeto == 172 ? "Privada" : "Pública"));
        } else if (octeto >= 192 && octeto <= 223) {
            System.out.println("Clase C - " + (octeto == 192 ? "Privada" : "Pública"));
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc20 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Tráfico (Voz/Video/Descarga): "); String t = br.readLine();
        System.out.print("Latencia (ms): "); int l = Integer.parseInt(br.readLine());

        if (t.equalsIgnoreCase("Voz") || t.equalsIgnoreCase("Video")) {
            if (l < 50) System.out.println("Prioridad Alta");
            else System.out.println("Prioridad Media");
        } else if (t.equalsIgnoreCase("Descarga")) {
            if (l < 150) System.out.println("Prioridad Baja");
            else System.out.println("Prioridad Mínima");
        }
    }
}
```

```java
import java.io.*;

public class tarea8_ejrc1 {
    public static void main(String[] args) throws IOException {
        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
        System.out.print("Ingrese el peso W: ");
        int w = Integer.parseInt(br.readLine());

        if (w > 2 && w % 2 == 0) {
            System.out.println("SI");
        } else {
            System.out.println("NO");
        }
    }
}
```