

Atividade de Lógica

```
package Exception;
import java.lang.Exception;
public class DateException extends Exception {
    public DateException() {
        System.out.println("&quot;o numero que foi escrito esta fora do
intervalo&quot;");
    }

    public DateException(String message) {
        super(message);
    }

    public DateException(String message, Throwable cause) {
        super(message, cause);
    }

    public DateException(Throwable cause) {
        super(cause);
    }

    public DateException(String message, Throwable cause,
        boolean enableSuppression,
        boolean writableStackTrace) {
        super(message, cause, enableSuppression, writableStackTrace);
    }
}
}
```

```

package Exception;
import java.lang.Exception;
private int D, M;
    private int ano;
    private boolean dcs = false;

    private int finaldia[] = {31, 28, 31, 30, 31, 30, 31, 31, 30,
31, 30, 31};
    public void setAno(int ano) throws DateException,
AnoException {

        if (ano < 0)
            throw new DateException();

        if(ano % 4 == 0) {
            this.dcs = true;
        }
        else {
            this.ano = ano;
            this.finaldia[1] = 28;
            this.dcs = false;
        }
    }
    public void setM(int M) throws DateException{
        if (M < 1 || M > 12)
            throw new DateException();
        this.M = M;
    }

    public void setD(int D) throws DException, AnoException {
        if (D >= 1 || D <= 31) {
            if (D <= finaldia[M-1]) {
                this.D = D;
            }
            else if (D == 29 && dcs == true && M == 2){
                this.D = D;
                System.out.println "Ano Bissexto! [D= " + this.D + " , M= " + this.M + " , ano= " + this.ano + " ]";
            }
            else if (D == 29 && dcs == false && M == 2) {

                System.out.println
                throw new AnoException();
            }
            else {
                System.out.println " [D= " + this.D + " , M= " +
this.M + " , ano= " + this.ano + " ]";
                throw new DException();
            }
        }
    }

```

```

    }
}

    public static void main(String [] args) throws DateException,
AnoException {
    Date al;
    import java.lang.Exception;
    public class AnoException extends Exception{

    public AnoException() {

    System.out.println(""O ano nao e bissexto"");
    }
    public AnoException(String message) {
        super(message);
    }
    public AnoException(String message, Throwable cause) {
        super(message, cause);
    }
    public AnoException(Throwable cause) {
        super(cause);
    }
    public AnoException(String message, Throwable cause, boolean
enableSuppression, boolean writableStackTrace) {
        super(message, cause, enableSuppression,
writableStackTrace);
    }
    }
    = new Date();

    al.setAno(2015);
    al.setM(8);
    al.setD(31);
    }

    }

}
}

```

```

package Exception;
import java.lang.Exception;
public class AnoBException extends Exception{

    public AnoBException() {
        System.out.println(""o ano apresentado noo e bissexto"");
    }

    public AnoBException(String message) {
        super(message);
    }

    public AnoBException(String message, Throwable cause) {
        super(message, cause);
    }

    public AnoBException(Throwable cause) {
        super(cause);
    }

    public AnoBException(String message, Throwable cause,
        boolean enableSuppression,
        boolean writableStackTrace)
    {
        super(message, cause, enableSuppression,
writableStackTrace);
    }
}

```