Exercícios Java

```
package aula16092024;

import java.util.Scanner;

public class SLJQ2 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int a, m, d, qd;
		a=sc.nextInt();
		m=sc.nextInt();
		d=sc.nextInt();
		qd=a*360+m*30+d;
		System.out.println(qd+" dias");

	}

}
```

****

```
package aula16092024;

import java.util.Scanner;

public class SLJQ3 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		double c, f;
		c=sc.nextDouble();
		f=((9*c)+160)/5;
		System.out.println(f);

	}

}
```

****

```
package aula16092024;

import java.util.Scanner;

public class SLJQ4 {
```

```
	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int h, m, s, qs;
		h=sc.nextInt();e
		m=sc.nextInt();
		s=sc.nextInt();
		qs=h*3600+m*60+s;
		System.out.println(qs+" segundos");

	}

}
```

****

```
package aula16092024;

import java.util.Scanner;

public class L1Q3 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		double vc, tp;
		vc=sc.nextDouble();
		tp=vc*1.1;
		System.out.println(tp);
		System.out.printf("%.2f", tp);

	}

}
```

****

```
package aula16092024;

import java.util.Scanner;

public class L1Q4 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		double sal, sm, qsm;
		sm=sc.nextDouble();
		sal=sc.nextDouble();
		qsm=sal/sm;
		System.out.println(qsm+" salarios minimos");
```

```
	}

}
```

****

```
package aula16092024;

import java.util.Scanner;

public class L1Q6 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		double n1, n2, n3, p1, p2, p3, md;
		n1=sc.nextDouble();
		n2=sc.nextDouble();
		n3=sc.nextDouble();
		p1=sc.nextDouble();
		p2=sc.nextDouble();
		p3=sc.nextDouble();
		md=(n1*p1+n2*p2+n3*p3)/(p1+p2+p3);
		System.out.println(md);

	}

}
```

****

```
package aula16092024;

import java.util.Scanner;

public class L1Q7 {

	public static void main(String[] args) {
			Scanner sc=new Scanner(System.in);
		int t1, t2, r, n, tn;
		t1=sc.nextInt();
		t2=sc.nextInt();
		n=sc.nextInt();
		r=t2-t1;
		tn=t1+(n-1)*r;
		System.out.println(tn);

	}
```

****

```
package aula16092024;

import java.util.Scanner;

public class L1Q8 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int vlr, q50, q10, q5, q1;
		vlr=sc.nextInt();
		q50=vlr/50;
		vlr=vlr%50;
		q10=vlr/10;
		vlr=vlr%10;
		q5=vlr/5;
		q1=vlr%5;
		System.out.println(q50+" notas de 50");
		System.out.println(q10+" notas de 10");
		System.out.println(q5+" notas de 5");
		System.out.println(q1+" notas de 1");

	}

}
```

****

```
package aula20092024;

import java.util.Scanner;

public class Exp {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int n;
		n=	();
		if(n>5) {
			System.out.println("Maior do que 5");
		}else {
			if(n<5) {
				System.out.println("Menor do que 5");
			}else {
				System.out.println("Igual a 5");
			}
		}
		System.out.println("Fim");
```

```
	}

}
```

****

```
package aula20092024;

import java.util.Scanner;

public class SLJQ5 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		double n1, n2, n3, n4, md;
		n1=sc.nextDouble();
		n2=sc.nextDouble();
		n3=sc.nextDouble();
		n4=sc.nextDouble();
		md=(n1+n2+n3+n4)/4;
		if(md>=7) {
			System.out.println("Aprovado");
		}else {
			System.out.println("Reprovado");
		}

	}

}
```

****

```
package aula20092024;

import java.util.Scanner;

public class SLJQ6 {

	public static void main(String[] args) {
			Scanner sc=new Scanner(System.in);
		double n1, n2, n3, p1, p2, p3, md;
		n1=sc.nextDouble();
		n2=sc.nextDouble();
		n3=sc.nextDouble();
		p1=sc.nextDouble();
		p2=sc.nextDouble();
```

```
			p3=sc.nextDouble();
			md=(n1*p1+n2*p2+n3*p3)/(p1+p2+p3);
			if(md>=7) {
				System.out.println("Aprovado");
			}else {
				if(md<4) {
					System.out.println("Reprovado");
				}else {
					System.out.println("Prova final");
				}
			}

		}

}
```

****

```
package aula23092024;

import java.util.Scanner;

public class SLJQ8 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int mes;
		mes=sc.nextInt();
		switch(mes) {
			case 1: System.out.println("Janeiro");
					break;
			case 2: System.out.println("Fevereiro");
					break;
			case 3: System.out.println("Março");
					break;
			case 4: System.out.println("Abril");
					break;
			case 5: System.out.println("Maio");
					break;
			case 6: System.out.println("Junho");
					break;
			case 7: System.out.println("Julho");
					break;
			case 8: System.out.println("Agosto");
					break;
			case 9: System.out.println("Setembro");
					break;
			case 10: System.out.println("Outubro");
					break;
```

```
                        case 11: System.out.println("Novembro");
                                 break;
                        case 12: System.out.println("Dezembro");
                                 break;
                        default: System.out.println("Mes invalido");
                                 break;
                }

        }

}
```

****

```
package aula23092024;

import java.util.Scanner;

public class L3Q1 {

        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int n;
                n=sc.nextInt();
                if(n%2==0) {
                        System.out.println("E par");
                }else {
                        System.out.println("E impar");
                }

                if(n>0) {
                        System.out.println("E positivo");
                }else {
                        if(n<0) {
                                System.out.println("E negativo");
                        }else {
                                System.out.println("E nulo");
                        }
                }
        }

}
```

****

```
package aula23092024;

import java.util.Scanner;
```

```
public class L3Q2 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int a, b, c;
		a=sc.nextInt();
		b=sc.nextInt();
		c=sc.nextInt();
		if((a<b+c)&&(b<a+c)&&(c<a+b)) {
			System.out.print("E triangulo ");
			if((a==b)&&(b==c)) {
				System.out.println("equilatero");
			}else {
				if((a==b)||(b==c)||(a==c)) {
					System.out.println("isosceles");
				}else {
					System.out.println("escaleno");
				}
			}


		}else {
			System.out.println("Nao e triangulo");
		}

	}

}
```

****

```
package aula23092024;

import java.util.Scanner;

public class L3Q3 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int enq, qtd;
		double sal;
		enq=sc.nextInt();
		qtd=sc.nextInt();
		switch(enq) {
			case 1: sal=12*qtd;
				break;
			case 2: sal=17*qtd;
```

```
                                        break;
                                case 3: sal=25*qtd;
                                        break;
                                default: System.out.println("Enquadramento invalido");
                                        sal=0;
                                        break;
                        }
                        System.out.println(sal);

                }

}

**********

package aula23092024;

import java.util.Scanner;

public class L3Q4 {

        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int cod;
                double sal, salNovo;
                cod=sc.nextInt();
                sal=sc.nextDouble();
                switch(cod) {
                        case 101: salNovo=sal*1.10;
                                        break;
                        case 102: salNovo=sal*1.20;
                                        break;
                        case 103: salNovo=sal*1.30;
                                        break;
                        default: salNovo=sal*1.40;
                                        break;
                }
                System.out.println(salNovo);

        }

}

**********

package aula23092024;

import java.util.Scanner;
```

```
public class L3Q5 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		double sm, credito;
		sm=sc.nextDouble();
		if(sm<=200) {
			credito=0;
		}else {
			if(sm<=400) {
				credito=sm*0.20;
			}else {
				if(sm<600) {
					credito=sm*0.30;
				}else {
					credito=sm*0.40;
				}
			}
		}
		System.out.println(credito);

	}

}
```

****

```
package aula23092024;

import java.util.Scanner;

public class L3Q8 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int n, a, b, s;
		n=sc.nextInt();
		if((n>=1000)&&(n<=9999)) {
			a=n/100;
			b=n%100;
			s=a+b;
			if(s*s==n) {
				System.out.println("Tem a propriedade");
			}else {
				System.out.println("Nao tem a propriedade");
			}
		}else {
```

```
                        System.out.println("Valor invalido");
                }

        }

}
```

****

```
package aula27092024;

import java.util.Scanner;

public class SRQ1 {

        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int n, x;
                n=sc.nextInt();
                x=1;
                while(x<=n) {
                        System.out.println(x);
                        x++;
                }

        }

}
```

****

```
package aula27092024;

import java.util.Scanner;

public class SRQ2 {

        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int n, a, b;
                n=sc.nextInt();
                a=sc.nextInt();
                b=sc.nextInt();
                while(a+b!=n) {
                        a=b;
                        b=sc.nextInt();
                }
                System.out.println("Fim");
```

```
	}

}
```

****

```
package aula30092024;

import java.util.Scanner;

public class SRQ3 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int n;
		do {
			System.out.println("Digite um numero");
			n=sc.nextInt();
		}while((n<0)||(n>100));
		System.out.println("Fim");

	}

}
```

****

```
package aula30092024;

import java.util.Scanner;

public class SRQ4 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int n, qp=0, sp=0, qi=0, si=0;

		do {
			n=sc.nextInt();
			if(n%2==0) {
				qp++;
				sp+=n;
			}else {
				qi++;
				si+=n;
			}
		}while(qp!=10);

		System.out.println("Soma pares: "+sp);
		if(qi!=0) {
```

```
                        System.out.println("Media impares: "+si/qi);
                }

        }

}
```

****

```
package aula30092024;

import java.util.Scanner;

public class SRQ5 {
        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int n;
                n=sc.nextInt();
                for(int i=0; i<=n; i++) {
                        System.out.println(i);
                }
        }
}
```

****

```
package aula30092024;

import java.util.Scanner;

public class SRQ6 {

        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int n;
                n=sc.nextInt();
                for(int i=1; i<=n; i++) {
                        if(n%i==0) {
                                System.out.println(i);
                        }
                }

        }

}
```

****

```
package aula30092024;

import java.util.Scanner;

public class SRQ9 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int a, b, mmc;
		a=sc.nextInt();
		b=sc.nextInt();
		mmc=a;
		while(mmc%b!=0) {
			mmc+=a;
		}
		System.out.println(mmc);

	}

}
```

****

```
package aula30092024;

i mmmport java.util.Scanner;

public class SRQ11 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int n, fat=1;
		n=sc.nextInt();
		for(int i=1; i<=n; i++) {
			fat*=i;
		}

		System.out.println(n+"!="+fat);
	}

}
```

****

```
package aula30092024;

import java.util.Scanner;
```

```
public class SRQ12 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int n, cont=0;
		n=sc.nextInt();
		for(int i=1; i<=n; i++) {
			if(n%i==0) {
				cont++;
			}
		}

		if(cont==2) {
			System.out.println("E primo");
		}else {
			System.out.println("Nao e primo");
		}

	}

}
```

****

```
package aula04102024;

import java.util.Scanner;

public class L5Q10 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int a, b, opc;
		a=sc.nextInt();
		b=sc.nextInt();
		do {
			System.out.println("1 - Soma\n"
					+ "2 - Subtracao\n"
					+ "3 - Multiplicacao\n"
					+ "4 - Divisao\n"
					+ "5 - Trocar valores\n"
					+ "6 - Sair\n");
			opc=sc.nextInt();
			switch(opc) {
				case 1: System.out.println("Soma: "+(a+b));
					break;
				case 2: System.out.println("Subtracao: "+(a-b));
					break;
				case 3: System.out.println("Multiplicacao: "+(a*b));
```

```
                                        break;
                                case 4: if(b!=0) {
                                                System.out.println("Divisao: "+(a/b));
                                        }else {
                                                System.out.println("Nao se pode dividir
por zero");
                                        }
                                        break;
                                case 5: a=sc.nextInt();
                                        b=sc.nextInt();
                                        break;
                        }


                }while(opc!=6);
                System.out.println("Fim");

        }

}
```

****

```
package aula04102024;

import java.util.Scanner;

public class L5Q9 {

        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int n;
                n=sc.nextInt();
                for(int x=1; x<=n; x++) {
                        System.out.println("Tabuada de "+x);
                        for(int i=0; i<=10; i++) {
                                System.out.println(i*x+" : "+x+" = "+i);
                        }
                }
        }

}
```

****

```
package aula04102024;

import java.util.Scanner;
```

```
public class L4Q1a {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int n;
		double s=0;
		n=sc.nextInt();
		for(int i=1; i<=n; i++) {
			s+=1.0/i;
		}
		System.out.println(s);

	}

}
**********
package aula11102024;

public class ExemploMod {

	public static void main(String[] args) {
		int x=2;
		int a=4, b=6, s;
		mensagem();
		msgPersonificada("Asdrubal");
		soma(x, 3);
		soma(a, b);
		System.out.println(soma2(x, 5));
		s=soma2(a, b);
		System.out.println(s);
		System.out.println("Fim");

	}

	public static void mensagem() {
		System.out.println("Ola, mundo");
	}
	public static void msgPersonificada(String nome) {
		System.out.println("Ola, "+nome+"!");
	}

	public static void soma(int a, int b) {
		int c;
		c=a+b;
		System.out.println("Soma: "+c);
	}
```

```
	public static int soma2(int a, int b) {
		int c;
		c=a+b;
		return c;
	}

}
```

****

```
package aula11102024;

import java.util.Scanner;

public class SModQ1 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int qtd;
		double n1, n2, n3, n4, md;
		String nm;
		qtd=sc.nextInt();
		for(int i=1; i<=qtd; i++) {
			System.out.println("Nome: ");
			sc.nextLine();
			nm=sc.nextLine();
			System.out.println("Nota1:");
			n1=sc.nextDouble();
			System.out.println("Nota2:");
			n2=sc.nextDouble();
			System.out.println("Nota3:");
			n3=sc.nextDouble();
			System.out.println("Nota4:");
			n4=sc.nextDouble();
			md=(n1+n2+n3+n4)/4;
			System.out.println("Media: "+md);
			resultado(nm, md);
		}
	}

	public static void resultado(String nm, double md) {
		if(md>=7) {
			System.out.println("Parabéns, "	+ nm+", você foi aprovado.");
		}else {
			if(md>=4) {
				System.out.println(nm+", apresente-se para a prova final.");
			}else {
```

```
                                System.out.println(nm+", infelizmente você não atingiu a média
mínima.");
                        }
                }
        }


}
**********

package aula18102024;

import java.util.Scanner;

public class SModQ2 {

        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int idade;
                idade=sc.nextInt();
                classificacao(idade);

        }

        public static void classificacao(int id) {
                if(id<=15) {
                        System.out.println("Sem permissao para votar");
                }else {
                        if((id>=18)&&(id<=64)) {
                                System.out.println("Voto obrigatorio");
                        }else {
                                System.out.println("Voto facultativo");
                        }

}       }
        }


**********

package aula18102024;

import java.util.Scanner;

public class SModQ3 {

        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
```

```
		int idade;
		idade=sc.nextInt();
		categoria(idade);
	}

	public static void categoria(int id) {
		if((id>=5)&&(id<=7)) {
			System.out.println("Imfantil A");
		}else {
			if((id>=8)&&(id<=10)) {
				System.out.println("Infantil B");
			}else {
				if((id>=11)&&(id<=13)) {
					System.out.println("Juvenil A");
				}else {
					if((id>=14)&&(id<=17)) {
						System.out.println("Juvenil B");
					}else {
						if(id>=18) {
							System.out.println("Senior");
						}else {
							System.out.println("Nao existe categoria
para essa idade");
						}
					}
				}
			}
		}
	}

}
```

****

```
package aula21102024;

import java.util.Scanner;

public class SModQ5 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int a, b, c;
		a=sc.nextInt();
		b=sc.nextInt();
		c=sc.nextInt();
		if(eTriangulo(a, b, c)) {
			classifica(a, b, c);
```

```
		}else {
			System.out.println("Nao e triangulo");
		}

	}

	public static boolean eTriangulo(int a, int b, int c) {
		return (a<b+c)&&(b<a+c)&&(c<a+b);
	}

	public static void classifica(int a, int b, int c) {
		if((a==b)&&(b==c)) {
			System.out.println("Triangulo equilatero");
		}else {
			if((a==b)||(b==c)||(a==c)) {
				System.out.println("Triangulo isosceles");
			}else {
				System.out.println("Triangulo escaleno");
			}
		}
	}

}
```

****

```
package aula21102024;

import java.util.Scanner;

public class L6Q1 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int a, b;
		a=sc.nextInt();
		b=sc.nextInt();
		System.out.println(mmc(a, b));
	}

	public static int mmc(int a, int b) {
		int resp;

		resp=a;
		while(resp%b!=0) {
			resp+=a;
		}
		return resp;
```

```
	}
}
```

****

```
package aula21102024;

import java.util.Scanner;

public class L6Q2 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int n, cont=0, soma=0, x=2;
		n=sc.nextInt();
		while(cont!=n) {
			if(ePrimo(x)) {
				soma+=x;
				cont++;
			}
			x++;
		}
		System.out.println("Soma: "+soma);
	}

	public static boolean ePrimo(int n) {
		int cont=0;
		for(int i=1; i<=n; i++) {
			if(n%i==0) {
				cont++;
			}
		}

		if(cont==2) {
			return true;
		}else {
			return false;
		}
	}

}
```

****

```
package aula21102024;

public class L6Q3 {
```

```
	public static void main(String[] args) {
		for(int i=1; i<=10; i++) {
			System.out.println(fibo(i));
		}

	}

	public static int fibo(int n) {
		int a=1, b=1, c=a+b;

		for(int i=1; i<n; i++) {
			a=b;
			b=c;
			c=a+b;
		}
		return a;
	}

}
```

****

```
package aula21102024;

import java.util.Scanner;

public class L6Q4 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		char resp;
		int n;
		System.out.println("Voce quer ver uma tabuada?");
		resp=sc.next().charAt(0);
		while(resp=='s') {
			System.out.println("Qual tabuada?");
			n=sc.nextInt();
			tabuada(n);
			System.out.println("Voce quer ver uma tabuada?");
			resp=sc.next().charAt(0);
		}
	}

	public static void tabuada(int n) {
		for(int i=0; i<=10; i++) {
			System.out.println(i+" x "+n+" = "+(i*n));
		}
	}
```

```
}

******************************
package aula21102024;

import java.util.Scanner;

public class SModQ5 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int a, b, c;
		a=sc.nextInt();
		b=sc.nextInt();
		c=sc.nextInt();
		if(eTriangulo(a, b, c)) {
			classifica(a, b, c);
		}else {
			System.out.println("Nao e triangulo");
		}

	}

	public static boolean eTriangulo(int a, int b, int c) {
		return (a<b+c)&&(b<a+c)&&(c<a+b);
	}

	public static void classifica(int a, int b, int c) {
		if((a==b)&&(b==c)) {
			System.out.println("Triangulo equilatero");
		}else {
			if((a==b)||(b==c)||(a==c)) {
				System.out.println("Triangulo isosceles");
			}else {
				System.out.println("Triangulo escaleno");
			}
		}
	}

}

*************************

package aula21102024;

import java.util.Scanner;
```

```
public class L6Q1 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int a, b;
		a=sc.nextInt();
		b=sc.nextInt();
		System.out.println(mmc(a, b));
	}

	public static int mmc(int a, int b) {
		int resp;

		resp=a;
		while(resp%b!=0) {
			resp+=a;
		}
		return resp;
	}
}
```

****

```
package aula21102024;

import java.util.Scanner;

public class L6Q2 {

	public static void main(String[] args) {
		Scanner sc=new Scanner(System.in);
		int n, cont=0, soma=0, x=2;
		n=sc.nextInt();
		while(cont!=n) {
			if(ePrimo(x)) {
				soma+=x;
				cont++;
			}
			x++;
		}
		System.out.println("Soma: "+soma);
	}

	public static boolean ePrimo(int n) {
		int cont=0;
		for(int i=1; i<=n; i++) {
			if(n%i==0) {
				cont++;
```

```
                }
            }

            if(cont==2) {
                return true;
            }else {
                return false;
            }
        }

}
```

****

```
package aula21102024;

public class L6Q3 {

    public static void main(String[] args) {
        for(int i=1; i<=10; i++) {
            System.out.println(fibo(i));
        }

    }

    public static int fibo(int n) {
        int a=1, b=1, c=a+b;

        for(int i=1; i<n; i++) {
            a=b;
            b=c;
            c=a+b;
        }
        return a;
    }

}
```

****

```
package aula21102024;

import java.util.Scanner;

public class L6Q4 {

    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
```

```
		char resp;
		int n;
		System.out.println("Voce quer ver uma tabuada?");
		resp=sc.next().charAt(0);
		while(resp=='s') {
			System.out.println("Qual tabuada?");
			n=sc.nextInt();
			tabuada(n);
			System.out.println("Voce quer ver uma tabuada?");
			resp=sc.next().charAt(0);
		}
	}

	public static void tabuada(int n) {
		for(int i=0; i<=10; i++) {
			System.out.println(i+" x "+n+" = "+(i*n));
		}
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet=new int[5];
		int[] vet2=new int[3];
		preenche(vet);
		mostra(vet);
		preenche(vet2);
		mostra(vet2);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
```

```
		}
		System.out.println();
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostra(vet);
		System.out.println(max(vet));


	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

	public static int max(int[] v) {
		int maior=0;

		for(int i=1; i<v.length; i++) {
			if(v[i]>v[maior]) {
				maior=i;
			}
		}
		return maior;
	}
```

```
}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet1=new int[5];
		int[] vet2=new int[5];
		int[] vet3;
		preenche(vet1);
		preenche(vet2);
		mostra(vet1);
		mostra(vet2);
		vet3=soma(vet1, vet2);
		mostra(vet3);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

	public static int[] soma(int[] v1, int[] v2) {
		int[] v3=new int[v1.length];

		for(int i=0; i<v1.length; i++) {
			v3[i]=v1[i]+v2[i];
		}
		return v3;
	}
```

```
}

**********

package aula28102024;

import java.util.Scanner;

public class SVetQ3 {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostraInv(vet);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostraInv(int[] v) {
		for(int i=v.length-1; i>=0; i--) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

}

**********

package aula28102024;

import java.util.Scanner;

public class SVetQ5 {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostra(vet);
		System.out.println(contaN(vet, 5));
```

```
	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

	public static int contaN(int[] v, int n) {
		int cont=0;
		for(int i=0; i<v.length; i++) {
			if(v[i]==n) {
				cont++;
			}
		}
		return cont;
	}
}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet=new int[5];
		int[] vet2=new int[3];
		preenche(vet);
		mostra(vet);
		preenche(vet2);
		mostra(vet2);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
```

```
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostra(vet);
		System.out.println(max(vet));


	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

	public static int max(int[] v) {
		int maior=0;

		for(int i=1; i<v.length; i++) {
```

```
                        if(v[i]>v[maior]) {
                                maior=i;
                        }
                }
                return maior;
        }

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

        public static void main(String[] args) {
                int[] vet1=new int[5];
                int[] vet2=new int[5];
                int[] vet3;
                preenche(vet1);
                preenche(vet2);
                mostra(vet1);
                mostra(vet2);
                vet3=soma(vet1, vet2);
                mostra(vet3);

        }

        public static void preenche(int[] v) {
                Scanner sc=new Scanner(System.in);
                for(int i=0; i<v.length; i++) {
                        v[i]=sc.nextInt();
                }
        }

        public static void mostra(int[] v) {
                for(int i=0; i<v.length; i++) {
                        System.out.print(v[i]+" ");
                }
                System.out.println();
        }

        public static int[] soma(int[] v1, int[] v2) {
                int[] v3=new int[v1.length];
```

```
		for(int i=0; i<v1.length; i++) {
			v3[i]=v1[i]+v2[i];
		}
		return v3;
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class SVetQ3 {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostraInv(vet);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostraInv(int[] v) {
		for(int i=v.length-1; i>=0; i--) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class SVetQ5 {
```

```
	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostra(vet);
		System.out.println(contaN(vet, 5));

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

	public static int contaN(int[] v, int n) {
		int cont=0;
		for(int i=0; i<v.length; i++) {
			if(v[i]==n) {
				cont++;
			}
		}
		return cont;
	}
}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet=new int[5];
		int[] vet2=new int[3];
		preenche(vet);
		mostra(vet);
		preenche(vet2);
		mostra(vet2);
```

```
	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostra(vet);
		System.out.println(max(vet));


	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
```

```
	}

	public static int max(int[] v) {
		int maior=0;

		for(int i=1; i<v.length; i++) {
			if(v[i]>v[maior]) {
				maior=i;
			}
		}
		return maior;
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet1=new int[5];
		int[] vet2=new int[5];
		int[] vet3;
		preenche(vet1);
		preenche(vet2);
		mostra(vet1);
		mostra(vet2);
		vet3=soma(vet1, vet2);
		mostra(vet3);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
```

```
		System.out.println();
	}

	public static int[] soma(int[] v1, int[] v2) {
		int[] v3=new int[v1.length];

		for(int i=0; i<v1.length; i++) {
			v3[i]=v1[i]+v2[i];
		}
		return v3;
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class SVetQ3 {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostraInv(vet);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostraInv(int[] v) {
		for(int i=v.length-1; i>=0; i--) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class SVetQ5 {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostra(vet);
		System.out.println(contaN(vet, 5));

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

	public static int contaN(int[] v, int n) {
		int cont=0;
		for(int i=0; i<v.length; i++) {
			if(v[i]==n) {
				cont++;
			}
		}
		return cont;
	}
}

**************************
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet=new int[5];
```

```
		int[] vet2=new int[3];
		preenche(vet);
		mostra(vet);
		preenche(vet2);
		mostra(vet2);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostra(vet);
		System.out.println(max(vet));


	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}
```

```
	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

	public static int max(int[] v) {
		int maior=0;

		for(int i=1; i<v.length; i++) {
			if(v[i]>v[maior]) {
				maior=i;
			}
		}
		return maior;
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class ExpVetores {

	public static void main(String[] args) {
		int[] vet1=new int[5];
		int[] vet2=new int[5];
		int[] vet3;
		preenche(vet1);
		preenche(vet2);
		mostra(vet1);
		mostra(vet2);
		vet3=soma(vet1, vet2);
		mostra(vet3);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
```

```
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

	public static int[] soma(int[] v1, int[] v2) {
		int[] v3=new int[v1.length];

		for(int i=0; i<v1.length; i++) {
			v3[i]=v1[i]+v2[i];
		}
		return v3;
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class SVetQ3 {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostraInv(vet);

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostraInv(int[] v) {
		for(int i=v.length-1; i>=0; i--) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
```

```
	}

}
```

****

```
package aula28102024;

import java.util.Scanner;

public class SVetQ5 {

	public static void main(String[] args) {
		int[] vet=new int[5];
		preenche(vet);
		mostra(vet);
		System.out.println(contaN(vet, 5));

	}

	public static void preenche(int[] v) {
		Scanner sc=new Scanner(System.in);
		for(int i=0; i<v.length; i++) {
			v[i]=sc.nextInt();
		}
	}

	public static void mostra(int[] v) {
		for(int i=0; i<v.length; i++) {
			System.out.print(v[i]+" ");
		}
		System.out.println();
	}

	public static int contaN(int[] v, int n) {
		int cont=0;
		for(int i=0; i<v.length; i++) {
			if(v[i]==n) {
				cont++;
			}
		}
		return cont;
	}
}
```

****

```
package aula20241111;
```

```
import java.util.Random;

public class SMatQ2 {

	public static void main(String[] args) {
		int[][] mat=new int[3][4];
		preenche(mat);
		mostra(mat);
		System.out.println(contaN(mat, 5));

	}

	public static void preenche(int[][] m) {
		Random rand=new Random();
		for(int i=0; i<m.length; i++) {
			for(int j=0; j<m[i].length; j++) {
				m[i][j]=rand.nextInt(10);
			}
		}
	}

	public static void mostra(int[][] m) {
		for(int i=0; i<m.length; i++) {
			for(int j=0; j<m[i].length; j++) {
				System.out.print(m[i][j]+" ");
			}
			System.out.println();
		}
	}

	public static int contaN(int[][] m, int n) {
		int cont=0;
		for(int i=0; i<m.length; i++) {
			for(int j=0; j<m[i].length; j++) {
				if(m[i][j]==n) {
					cont++;
				}
			}
		}
		return cont;
	}

}
```

****

```
package aula20241111;
```

```
public class SMatQ3 {

	public static void main(String[] args) {
		int[][] mat=new int[5][5];
		preencheFibo(mat);
		mostra(mat);

	}

	public static void preencheFibo(int[][] m) {
		int a=1, b=1, c=a+b;
		for(int i=0; i<m.length; i++) {
			for(int j=0; j<m[i].length; j++) {
				m[i][j]=a;
				a=b;
				b=c;
				c=a+b;
			}
		}
	}

	public static void mostra(int[][] m) {
		for(int i=0; i<m.length; i++) {
			for(int j=0; j<m[i].length; j++) {
				System.out.print(m[i][j]+" ");
			}
			System.out.println();
		}
	}

}
```

****

```
package aula20241111;

import java.util.Random;

public class SMatQ4 {

	public static void main(String[] args) {
		int[][] mat=new int[3][3];
		preenche(mat);
		mostra(mat);
		somaLinhas(mat);

	}
```

```
	public static void preenche(int[][] m) {
		Random rand=new Random();
		for(int i=0; i<m.length; i++) {
			for(int j=0; j<m[i].length; j++) {
				m[i][j]=rand.nextInt(10);
			}
		}
	}

	public static void mostra(int[][] m) {
		for(int i=0; i<m.length; i++) {
			for(int j=0; j<m[i].length; j++) {
				System.out.print(m[i][j]+" ");
			}
			System.out.println();
		}
	}

	public static void somaLinhas(int[][] m) {
		int soma=0;
		for(int i=0; i<m.length; i++) {
			soma=0;
			for(int j=0; j<m[i].length; j++) {
				soma+=m[i][j];
			}
			System.out.println("Linha "+i+": "+soma);
		}
	}

}
```

****

```
package aula20241111;

public class L11Q1 {

	public static void main(String[] args) {
		int[][] mat=new int[4][4];
		preencheSeq(mat);
		mostra(mat);

	}
	 public static void preencheSeq(int[][] m) {
		 int x=1;
		 for(int j=0; j<m[0].length; j++) {
			 for(int i=0; i<m.length; i++) {
				 m[i][j]=x;
				 x++;
```

```
                        }
                }
        }

        public static void mostra(int[][] m) {
                        for(int i=0; i<m.length; i++) {
                                for(int j=0; j<m[i].length; j++) {
                                        System.out.print(m[i][j]+" ");
                                }
                                System.out.println();
                        }
                }

}
**************************
```