```
import java.util.Scanner;
public class Binaer {

	public static void main(String[] args) {
		String rest = "";

		Scanner scan = new Scanner(System.in);
		System.out.println("Bitte Zahl eingeben");
		int zahl = scan.nextInt();
		scan.close();

		while(zahl > 0) {
			rest = zahl % 2  + rest;
			zahl = zahl / 2;



		}
		System.out.print(rest);

	}

}

import java.awt.Color;

public class Laufband {

	public static void main(String[] args) {
		while(true) {
			for(int i = 0; i < 47; i++) {
				Console.gotoXY(i, 12);
				Console.write(" !!!Programmieren macht spaß!!! ");
				Console.wait(20);
				Console.setForeground(Color.blue);

			}
			for(int a = 47; a > 0; a--) {
				Console.gotoXY(a, 12);
				Console.write(" !!!Programmieren macht spaß!!! ");
				Console.wait(20);
				Console.setForeground(Color.red);
			}
		}
	}

}

import java.util.Scanner;
public class Nachricht {

	public static void main(String[] args) {
```

```
		String text;
		int teilnachrichten;
		int x;
		int kosten = 0;

		System.out.println("Nachricht schreiben");
		Scanner scan = new Scanner(System.in);
		System.out.println("Wähle Anbieter");
		x = scan.nextInt();
		System.out.println("Bitte nachricht schreiben");
		text = scan.next();
		scan.close();

	if(text.length() > 30) {
			 teilnachrichten = (text.length() / 30) + 1;
	}
	else teilnachrichten = 1;
		switch (x) {
			case 1 : kosten = 15 + 6 * teilnachrichten;
			break;
			case 2 : kosten = 0 + 10 * teilnachrichten;
			break;
			case 3 : kosten = 70;
			break;
			case 4 :
				if(teilnachrichten > 7 ) {
					kosten = 70;
				}
				else if(teilnachrichten > 3) {
					kosten = 15 + 6 * teilnachrichten;
				}
				else if(teilnachrichten <= 3) {
					kosten = 10 * teilnachrichten;
				}
			break;
		}
		System.out.println("Kosten : " + kosten + " Teilnachrichten : " + teilnachrichten);
	}

}
import java.util.Scanner;
public class Namen {

	public static void main(String[] args) {
		String wort1;
		String wort2;
		Scanner scan = new Scanner(System.in);
		System.out.println("name 1 bitte");
		wort1 = scan.nextLine();
		System.out.println("name 2 bitte");
		wort2 = scan.nextLine();
```

```
		scan.close();
		if (wort1.length() > wort2.length()) {
			System.out.println(wort1 + " hat mehr buchstaben als " + wort2);
		}
		if (wort2.length() > wort1.length()) {
			System.out.println(wort2 + " hat mehr buchstaben als " + wort1);

		}
		if (wort2.length() == wort1.length()) {
			System.out.println(wort2 + " hat gleich viele buchstaben wie " + wort1);
		}

	}

}

import java.util.Scanner;
public class Palindrom {

	public static void main(String[] args) {
		boolean palindrom = true;
		String wort;
		Scanner scan = new Scanner(System.in);
		System.out.println("name bitte");
		wort = scan.nextLine();
		scan.close();
		int a = wort.length();

		for(int i = 1; i < wort.length() / 2; i++ ) {
			if(wort.charAt(i) != wort.charAt(a - i - 1) ) {

				palindrom = false;
			}
		}
		System.out.print(palindrom);

	}

}

import java.util.Scanner;
public class Schachbrett {

	public static void main(String[] args) {
		int größe;

		Scanner scan = new Scanner(System.in);
		System.out.println("Größe bitte");
		größe = scan.nextInt();
		System.out.println("Vielen Lieben Dank");
		scan.close();
```

```
		for(int a = 0; a < größe; a++) {


			for(int i = 0; i < größe; i++) {
				System.out.print("# ");
			}
		System.out.println(" ");

		}
	}
}

import java.awt.Color;

public class Spiegel {

	public static void main(String[] args) {

		int a = 0;
		int b = 80;
		while(true) {
			while(a < 40 && b > 40) {
				Console.setForeground(Color.CYAN);
				Console.gotoXY(a, 12);
				Console.write(" O ");
				Console.wait(25);
				Console.setForeground(Color.yellow);
				Console.gotoXY(b, 12);
				Console.write(" O ");
				Console.wait(25);

				a++;
				b--;
			}
			while(a > 0 && b < 80) {
				Console.setForeground(Color.CYAN);
				Console.gotoXY(a, 12);
				Console.write(" O ");
				Console.wait(25);
				Console.setForeground(Color.yellow);
				Console.gotoXY(b, 12);
				Console.write(" O ");
				Console.wait(25);

				a--;
				b++;
			}



		}
```

```
	}
}

import java.util.Scanner;
public class Vokale {

	public static void main(String[] args) {
		String wort;
		int vokale = 0;
		int konsonanten = 0;
		int rest = 0;
		Scanner scan = new Scanner(System.in);
		System.out.println("name bitte");
		wort = scan.nextLine();
		System.out.println("Danke anke");
		scan.close();
		wort.toLowerCase();

		for(int i = 0; i < wort.length(); i++) {
			if(wort.charAt(i) == 'a' | wort.charAt(i) == 'e'| wort.charAt(i) == 'i' |
wort.charAt(i) == 'o' | wort.charAt(i) == 'u') {
				vokale++;
			}
			if(wort.charAt(i) == 'b' | wort.charAt(i) == 'c' | wort.charAt(i) == 'd' |
wort.charAt(i) == 'f' | wort.charAt(i) == 'g' | wort.charAt(i) == 'h' | wort.charAt(i) == 'j' |
wort.charAt(i) == 'k' | wort.charAt(i) == 'l' | wort.charAt(i) == 'm' | wort.charAt(i) == 'n' |
wort.charAt(i) == 'p' |  wort.charAt(i) == 'q' | wort.charAt(i) == 'r' |wort.charAt(i) == 's' |
wort.charAt(i) == 't' | wort.charAt(i) == 'v' | wort.charAt(i) == 'w' | wort.charAt(i) == 'x' |
wort.charAt(i) == 'y' | wort.charAt(i) == 'z') {
				konsonanten++;
			}
			rest = wort.length() - vokale - konsonanten;


		}
		System.out.print("vokale :" + vokale + " konsonanten :" + konsonanten + " rest :" +
rest);
	}
}



public class Würfel {

	public static void main(String[] args) {

		int a = (int) (Math.random() * 6 + 1);
		switch (a) {
		case 1: System.out.println("     ");
				System.out.println("  *  ");
				System.out.println("     ");
```

```
                        break;

                case 2: System.out.println("*    ");
                        System.out.println("     ");
                        System.out.println("    *");
                        break;

                case 3: System.out.println("*    ");
                        System.out.println("  *  ");
                        System.out.println("    *");
                        break;

                case 4: System.out.println("*    *");
                        System.out.println("      ");
                        System.out.println("*    *");
                        break;

                case 5: System.out.println("*     *");
                        System.out.println("   *  ");
                        System.out.println("*     *");
                        break;

                case 6: System.out.println("*    *");
                        System.out.println("*    *");
                        System.out.println("*    *");
                        break;

                }
        }

}

import java.util.Scanner;
public class Zahlen {

        public static void main(String[] args) {
                int a;
                int b;
                int c;
                int summe;
                double durchschnitt;
                int produkt;

                Scanner scan = new Scanner(System.in);
                a = scan.nextInt();
                b = scan.nextInt();
                c = scan.nextInt();
                scan.close();

                summe = a + b +c;
                durchschnitt = (a + b +c) / 3;
                produkt = a * b *c;
```

```
                System.out.println(summe);
                System.out.println(durchschnitt);
                System.out.println(produkt);

                if (a > b && a > c) {
                        System.out.println("Größte:" + a);
                }
                if (b > a && b > c) {
                        System.out.println("Größte:" + b);
                }
                if (c > a && c > b) {
                        System.out.println("Größte:" + c);
                }
                if (a < b && a < c) {
                        System.out.println("Kleinste" + a);
                }
                if (b < a && b < c) {
                        System.out.println("Kleinste" + b);
                }
                if (c < b && c < a) {
                        System.out.println("Kleinste" + c);
                }
        }

}
```