





## Aufgabe 1)



- a)  , 14, 53, 69, 42, 78, 44, 38, 39]  
 [22, 14, 38] 39 [42, 78, 44, 33, 69]  
 [22, 14] 38, 39 [42, 53, 44] 69 [78]  
 14, 22, 38, 39, [42], 44, [53], 69, 78  
 14, 22, 38, 39, 42, 44, 53, 69, 78
- b) [22, 10, 15, 18, 35, 29, 30, 37, 23]  
 [22, 10, 15, 18] 23 [35, 29, 30, 27]  
 [10, 15] 18, [22], 23, 27, [35, 29, 30]  
 10, 15, 18, 22, 23, 27, [29], 30, [35]  
 10, 15, 18, 22, 23, 27, 29, 30, 35
- c) [1, 2, 3, 4, 5, 6, 7, 8, 9]  
 [1, 2, 3, 4, 5, 6, 7, 8] 9  
 [1, 2, 3, 4, 5, 6, 7] 8, 9  
 [1, 2, 3, 4, 5, 6] 7, 8, 9  
 [1, 2, 3, 4, 5] 6, 7, 8, 9  
 [1, 2, 3, 4] 5, 6, 7, 8, 9  
 [1, 2, 3] 4, 5, 6, 7, 8, 9  
 [1, 2] 3, 4, 5, 6, 7, 8, 9  
 [1] 2, 3, 4, 5, 6, 7, 8, 9  
 1, 2, 3, 4, 5, 6, 7, 8, 9



## Aufgabe 2)

- b)  $[22, 10, 15, 18, 35, 29, 30, 37, 23]$   
 $[22, 10, 15, 18]$   $[35, 29, 30, 37, 23]$   
 $[22, 10]$   $[15, 18]$   $[35, 29]$   $[30, 37, 23]$   
 $[22]$   $[10]$   $[15]$   $[18]$   $[35]$   $[29]$   $[30]$   $[37, 23]$   
 $[22]$   $[10]$   $[15]$   $[18]$   $[35]$   $[29]$   $[30]$   $[37]$   $[23]$   
 $[10, 22]$   $[15, 18]$   $[29, 35]$   $[30]$   $[23, 37]$   
 $[10, 15, 18, 22]$   $[29, 35]$   $[23, 30, 37]$   
 $[10, 15, 18, 22]$   $[23, 29, 30, 35, 37]$   
 $[10, 15, 18, 22, 23, 29, 30, 35, 37]$

- c)  $[1, 2, 3, 4, 5, 6, 7, 8, 9]$   
 $[1, 2, 3, 4]$   $[5, 6, 7, 8, 9]$   
 $[1, 2]$   $[3, 4]$   $[5, 6]$   $[7, 8, 9]$   
 $[1]$   $[2]$   $[3]$   $[4]$   $[5]$   $[6]$   $[7]$   $[8, 9]$   
 $[1]$   $[2]$   $[3]$   $[4]$   $[5]$   $[6]$   $[7]$   $[8]$   $[9]$   
 $[1, 2]$   $[3, 4]$   $[5, 6]$   $[7]$   $[8, 9]$   
 $[1, 2, 3, 4]$   $[5, 6]$   $[7, 8, 9]$   
 $[1, 2, 3, 4]$   $[5, 6, 7, 8, 9]$   
 $[1, 2, 3, 4, 5, 6, 7, 8, 9]$

## Uebung 07

### Aufgabe 3



```
public class Library {
```

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

```
        // TODO Auto-generated method stub
```

```
        Book hamster = new Book();
```

```
        Book book2 = new Book();
```

```
        Book book3 = new Book();
```

```
        hamster.setPages(8);
```

```
        book2.setPages(10);
```

```
        book3.setPages(10);
```

```
        hamster.setColor("rot");
```

```
        book2.setColor("grün");
```

```
        book3.setColor("blau");
```

```
        hamster.setTitle("Programmieren spielend gelernt");
```

```
        book2.setTitle("Programmieren 2");
```

```
        book3.setTitle("Programmieren 3");
```

```
        hamster.setAuthor("D. Boles");
```

```
        book2.setAuthor("M. White");
```

```
        book3.setAuthor("P. Black");
```

```
        hamster.publish("3-5190-2297-4", 39.9);
```

```
        book2.publish("5-7180-2297-4", 29.9);
```

```
        book3.publish("7-9190-5297-4", 19.9);
```

```
System.out.println(hamster.getPages());  
System.out.println(hamster.getColor());  
System.out.println(hamster.getTitle());  
System.out.println(hamster.getAuthor());  
System.out.println(hamster.getIsbn());  
System.out.println(hamster.getPrice());
```

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

```
System.out.println(book2.getPages());  
System.out.println(book2.getColor());  
System.out.println(book2.getTitle());  
System.out.println(book2.getAuthor());  
System.out.println(book2.getIsbn());  
System.out.println(book2.getPrice());
```

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

```
System.out.println(book3.getPages());  
System.out.println(book3.getColor());  
System.out.println(book3.getTitle());  
System.out.println(book3.getAuthor());  
System.out.println(book3.getIsbn());  
System.out.println(book3.getPrice());
```

```
}
```

```
}
```

```
public class Book {
```

```
    private int pages = 0;
```

```
    private String color = "";
```



```
    private String title = "";
```



```
    private String author = "";
```

```
    private String isbn = "";
```

```
    private double price = 0.0;
```

```
    public int getPages() {
```

```
        return pages;
```

```
    }
```

```
    public String getColor() {
```

```
        return color;
```

```
    }
```

```
public String getTitle() {  
    return title;  
}
```

```
public String getAuthor() {  
    return author;  
}
```

```
public String getIsbn() {  
    return isbn;  
}
```

```
public double getPrice() {  
    return price;  
}
```

```
public void setPages(int value) {  
    pages = value;  
}
```

```
public void setColor(String color2) {  
    color = color2;  
}
```

```
public void setTitle(String title2) {
```

```
        title = title2;
    }

    public void setAuthor(String author2) {
        author = author2;
    }

    public void publish(String isbn2, double price2) {
        isbn = isbn2;
        price = price2;
    }
}
```



```
package uebung07;
```

```
public class Account {
```


```
    private String besitzer = "";
```

```
    private double kontostand = 0;
```

```
    public String getBesitzer() {  
        return besitzer;  
    }
```

```
    public void setBesitzer(String besitzer2) {  
        besitzer = besitzer2;  
    }
```

```
    public double getKontostand() {  
        return kontostand;  
    }
```

```
    public void auszahlung(double betrag) {  
        if(kontostand - betrag >= 0 ) {  
            kontostand = kontostand - betrag;  
        }  
        else {  
             kontostand = kontostand;  
        }  
    }
```

```
    public void einzahlung(double ez) {
```



```
        if (ez > 0) {  
            kontostand = kontostand + ez;  
        }  
  
        else {  
            kontostand = kontostand;  
        }  
    }  
  
}
```

```
package uebung07;
```

```
public class Banktest {
```

```
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
        Account account1 = new Account();  
        Account account2 = new Account();  
  
        account1.setBesitzer("Donald Duck");  
        account2.setBesitzer("Dagobert Duck");  
  
        account1.einzahlung(890);  
        account1.auszahlung(56);  
    }  
}
```

```
account1.einzahlung(8756.57);
```

```
account2.einzahlung(8767.9);
```

```
account2.auszahlung(785);
```

```
account2.einzahlung(655.87);
```

```
System.out.println(account1.getKontostand());
```

```
System.out.println(account2.getKontostand());
```

```
}
```

```
}
```