

Aufgabe 1

```
SELECT *  
FROM fach;
```

```
+-----+-----+  
| fid | fachname |  
+-----+-----+  
|  1 | Deutsch  |  
|  2 | Mathematik |  
|  3 | Biologie  |  
+-----+-----+
```

Aufgabe 2

```
SELECT zimmer  
FROM klasse;
```

```
+-----+  
| zimmer |  
+-----+  
| 104    |  
| 102    |  
| 203    |  
| 207    |  
+-----+
```

Aufgabe 3

```
SELECT fachname  
FROM fach  
WHERE fid = 3;
```

```
+-----+  
| fachname |  
+-----+  
| Biologie |  
+-----+
```

Aufgabe 4

```
SELECT nid, zeugnisnote  
FROM note  
WHERE zeugnisnote > 5.5;
```

```
+-----+-----+  
| nid | zeugnisnote |  
+-----+-----+  
|  8 |          6.0 |  
+-----+-----+
```

Aufgabe 5

```
SELECT zeugnisnote
FROM note
WHERE note.nid < 5;
```

```
+-----+
| zeugnisnote |
+-----+
|          4.5 |
|          3.5 |
|          5.0 |
|          4.5 |
+-----+
```

Aufgabe 6

```
SELECT DISTINCT zeugnisnote
FROM note
WHERE note.nid < 5;
```

```
+-----+
| zeugnisnote |
+-----+
|          4.5 |
|          3.5 |
|          5.0 |
+-----+
```

Aufgabe 7

```
SELECT zimmer
FROM klasse
WHERE klassenname LIKE '1%';
```

```
+-----+
| zimmer |
+-----+
| 104    |
| 102    |
+-----+
```

Aufgabe 8

```
SELECT vorname, nachname
FROM schueler
WHERE vorname LIKE '____';
```

```
+-----+-----+
| vorname | nachname |
+-----+-----+
| Thea    | Hammer  |
| Rudi    | Ratlos   |
+-----+-----+
```

Aufgabe 9

```
SELECT nachname
FROM schueler
WHERE nachname LIKE '_e%';
```

```
+-----+
| nachname |
+-----+
| Meier     |
| Delmonte |
+-----+
```

Aufgabe 10

```
SELECT fachname
FROM fach
WHERE fachname NOT LIKE 'M%';
```

```
+-----+
| fachname |
+-----+
| Deutsch  |
| Biologie |
+-----+
```

Aufgabe 11

```
SELECT vorname
FROM schueler
WHERE sid > 7
ORDER BY vorname;
```

```
+-----+
| vorname |
+-----+
| Benno   |
| Kevin   |
| Rudi    |
+-----+
```

Aufgabe 12

```
SELECT zeugnisnote
FROM note
WHERE sid = 1
ORDER BY zeugnisnote DESC;
```

```
+-----+
| zeugnisnote |
+-----+
|          5.0 |
|          4.5 |
|          4.0 |
+-----+
```

Aufgabe 13

```
SELECT nachname
FROM schueler
WHERE nachname LIKE 'M%'
ORDER BY vorname;
```

```
+-----+
| nachname |
+-----+
| Müller   |
| Meier    |
+-----+
```

Aufgabe 14

```
SELECT COUNT(*)
FROM schueler;
```

```
+-----+
| COUNT(*) |
+-----+
|          10 |
+-----+
```

Aufgabe 15

```
SELECT COUNT(zimmer) AS "ANZAHL"
FROM klasse;
```

```
+-----+
| ANZAHL |
+-----+
|          4 |
+-----+
```

Aufgabe 16

```
SELECT COUNT(nid) AS "ANZAHL"  
FROM note  
WHERE zeugnisnote < 4;
```

```
+-----+  
| ANZAHL |  
+-----+  
|      5 |  
+-----+
```

Aufgabe 17

```
SELECT SUM(zeugnisnote) AS "SUMME"  
FROM note  
WHERE note.sid = 9;
```

```
+-----+  
| SUMME |  
+-----+  
|  15.0 |  
+-----+
```

Aufgabe 18

```
SELECT AVG(zeugnisnote) AS "MW"  
FROM note  
WHERE note.sid = 9;
```

```
+-----+  
| MW      |  
+-----+  
| 5.00000 |  
+-----+
```

Aufgabe 19

```
SELECT MAX(zeugnisnote) AS "BEST"  
FROM note  
WHERE note.fid = 3;
```

```
+-----+  
| BEST |  
+-----+  
|  5.5 |  
+-----+
```

Aufgabe 20

```
SELECT COUNT(*) AS "ANZAHL"  
FROM schueler  
GROUP BY kid;
```

```
+-----+  
| ANZAHL |  
+-----+  
|      2 |  
|      3 |  
|      3 |  
|      2 |  
+-----+
```

Aufgabe 21

```
SELECT fachname  
FROM fach  
WHERE fid = 3;
```

```
+-----+  
| fachname |  
+-----+  
| Biologie |  
+-----+
```

Aufgabe 22

```
SELECT COUNT(*) AS "ANZAHL"  
FROM schueler  
GROUP BY kid  
HAVING COUNT(kid) > 2;
```

```
+-----+  
| ANZAHL |  
+-----+  
|      3 |  
|      3 |  
+-----+
```

Aufgabe 23

```
SELECT note.sid, AVG(zeugnisnote) AS "Durchschnitt"  
FROM note  
GROUP BY note.sid  
HAVING AVG(zeugnisnote) > 5;
```

```
+-----+-----+  
| sid | Durchschnitt |  
+-----+-----+  
|   8 |      5.33333 |  
+-----+-----+
```

Aufgabe 24

```
SELECT nachname, klassenname
FROM schueler JOIN klasse
     ON schueler.kid = klasse.kid;
```

```
+-----+-----+
| nachname | klassenname |
+-----+-----+
| Schmid   | 1a          |
| Meier    | 1a          |
| Hammer  | 1b          |
| Müller   | 1b          |
| Franzini | 1b          |
| Delmonte | 2a          |
| Kuster   | 2a          |
| Spiegel  | 2a          |
| Bamer    | 2b          |
| Ratlos   | 2b          |
+-----+-----+
```

Aufgabe 25

```
SELECT vorname, zeugnisnote
FROM schueler JOIN note
     ON schueler.sid = note.sid
WHERE note.zeugnisnote < 4;
```

```
+-----+-----+
| vorname | zeugnisnote |
+-----+-----+
| Michael | 3.5         |
| Peter   | 3.5         |
| Maria   | 3.0         |
| Rudi    | 3.5         |
| Susanne | 3.5         |
+-----+-----+
```

Aufgabe 26

```
SELECT vorname, fachname, zeugnisnote
FROM schueler JOIN fach JOIN note ON
     schueler.vorname = 'Peter'
     AND note.sid = schueler.sid
     AND note.fid = fach.fid;
```

```
+-----+-----+-----+
| vorname | fachname | zeugnisnote |
+-----+-----+-----+
| Peter   | Deutsch  | 3.5         |
| Peter   | Mathematik | 4.5         |
| Peter   | Biologie | 5.5         |
+-----+-----+-----+
```