

Results

```
CREATE TABLE course (sid INT, homework INT, project INT, exam INT, grade STR20)
INSERT INTO course (sid, homework, project, exam, grade) VALUES (1, 99, 100, 100, "A")
INSERT INTO course (sid, homework, project, exam, grade) VALUES (3, 100, 100, 98, "C")
INSERT INTO course (sid, homework, project, exam, grade) VALUES (3, 100, 69, 64, "C")
INSERT INTO course (sid, homework, project, exam, grade) VALUES (6, 100, 100, 65, "B")
SELECT * FROM course
```

```
Angelas-MacBook-Air:Project2 Skye$ ./a.out <te
```

```
1
```

```
#Disk I/Os = 0
```

```
2
```

```
Now the relation contains:
```

```
*****RELATION DUMP BEGIN*****
```

sid	homework	project	exam	grade
0: 1	99	100	100	A

```
*****RELATION DUMP END*****
```

```
#Disk I/Os = 1
```

```
3
```

```
Now the relation contains:
```

```
*****RELATION DUMP BEGIN*****
```

sid	homework	project	exam	grade
0: 1	99	100	100	A
1: 3	100	100	98	C

```
*****RELATION DUMP END*****
```

```
#Disk I/Os = 2
```

```
4
```

```
Now the relation contains:
```

```
*****RELATION DUMP BEGIN*****
```

sid	homework	project	exam	grade
0: 1	99	100	100	A
1: 3	100	100	98	C
2: 3	100	69	64	C

```
*****RELATION DUMP END*****
```

```
#Disk I/Os = 2
```

```
5
```

```
Now the relation contains:
```

```
*****RELATION DUMP BEGIN*****
```

sid	homework	project	exam	grade
0: 1	99	100	100	A
1: 3	100	100	98	C
2: 3	100	69	64	C
3: 6	100	100	65	B

```
*****RELATION DUMP END*****
```

```
#Disk I/Os = 2
```

```
6
```

```
Attributes selected:
```

sid	homework	project	exam	grade
3	100	100	98	C

```
#Disk I/Os = 4
```

```
Angelas-MacBook-Air:Project2 Skye$ █
```

```
SELECT * FROM course ORDER BY exam
```

```
5
```

```
Now the relation contains:
```

```
*****RELATION DUMP BEGIN*****
```

sid	homework	project	exam	grade
0: 1	99	100	100	A
1: 3	100	100	98	C
2: 3	100	69	64	C
3: 6	100	100	65	B

```
*****RELATION DUMP END*****
```

```
#Disk I/Os = 2
```

```
SELECT * FROM course WHERE grade = "C" AND exam > 70 OR project > 70 AND ( exam * 30 +  
homework * 20 + project * 50 ) < 60
```

```
6
```

```
Attributes selected:
```

sid	homework	project	exam	grade
3	100	100	98	C

```
#Disk I/Os = 4
```

```
Angelas-MacBook-Air:Project2 Skye$
```

```

CREATE TABLE course2 (sid INT, exam INT, grade STR20)
INSERT INTO course2 (sid, exam, grade) VALUES (1, 100, "A")
INSERT INTO course2 (sid, exam, grade) VALUES (16, 25, "E")
INSERT INTO course2 (sid, exam, grade) VALUES (17, 0, "A")
SELECT course.sid, course.grade, course2.grade FROM course, course2 WHERE
course.sid = course2.sid

```

7

#Disk I/Os = 0

8

Now the relation contains:

*****RELATION DUMP BEGIN*****

sid	exam	grade
0: 1	100	A

*****RELATION DUMP END*****

#Disk I/Os = 1

9

Now the relation contains:

*****RELATION DUMP BEGIN*****

sid	exam	grade
0: 1	100	A
16	25	E

*****RELATION DUMP END*****

#Disk I/Os = 2

10

Now the relation contains:

*****RELATION DUMP BEGIN*****

sid	exam	grade
0: 1	100	A
16	25	E
1: 17	0	A

*****RELATION DUMP END*****

#Disk I/Os = 2

11

1	A	A
---	---	---

#Disk I/Os = 6

```
SELECT * FROM course, course2 WHERE course.sid = course2.sid AND course.exam  
= 100 AND course2.exam = 100
```

```
12  
1          99          100          100          A          1          100          A
```

```
#Disk I/Os = 6
```

```
DROP TABLE course  
DROP TABLE course2
```

```
17  
Dropped: course  
#Disk I/Os = 0
```

```
18  
Dropped: course2  
#Disk I/Os = 0  
Angelas-MacBook-Air:Project2 Skye$
```

[illegible]