

COURSE MANAGEMENT SYSTEM

STUDENTS TABLE:

| Student_id | Student_name | Courses |
|------------|--------------|------------------------|
| 1 | Hiba | Accounting |
| 2 | Tehreem | Economics |
| 3 | Mahnoor | Business Communication |
| 4 | Arisha | Accounting |
| 5 | Hamna | Statistics |
| 6 | Hafsa | Economics |

COURSES TABLE:

| Course_Id | Course_name | Credit_hours |
|-----------|------------------------|--------------|
| 1001 | Accounting | 3 |
| 1002 | Economics | 3 |
| 1003 | Business Communication | 2 |
| 1004 | Statistics | 4 |

GRADE TABLE:

| grade_id | Student_ID | Course_ID | Grade |
|----------|------------|-----------|-------|
| 1 | 2 | 1002 | A |
| 2 | 3 | 1003 | C |
| 3 | 4 | 1001 | B |
| 4 | 5 | 1004 | F |
| 5 | 1 | 1002 | A |
| 6 | 6 | 1003 | B |

SQL Task Using Joins

INNER JOIN:

| Student_name | Course_name | Grade |
|--------------|------------------------|-------|
| Tehreem | Economics | A |
| Mahnoor | Business Communication | C |
| Arisha | Accounting | B |
| Hamna | Statistics | F |
| Hiba | Economics | A |
| Hafsa | Business Communication | B |

LEFT JOIN:

| Student_name | Course_name | Grade |
|----------------|------------------------|-------|
| Hiba | Economics | A |
| Tehreem | Economics | A |
| Mahnoor | Business Communication | C |
| Arisha | Accounting | B |
| Hamna | Statistics | F |
| Hafsa | Business Communication | B |

RIGHT JOIN:

| Course_name | Student_name | Grade |
|------------------------|--------------|-------|
| Economics | Hiba | A |
| Economics | Tehreem | A |
| Business Communication | Mahnoor | C |
| Accounting | Arisha | B |
| Statistics | Hamna | F |
| Business Communication | Hafsa | B |

FULL JOIN:

| Course_name | Student_name | Grade |
|------------------------|--------------|-------|
| Accounting | Arisha | B |
| Economics | Tehreem | A |
| Economics | Hiba | A |
| Business Communication | Mahnoor | C |
| Business Communication | Hafsa | B |
| Statistics | Hamna | F |