5-46. How many tutors have a status of Temp Stop? Which tutors are active?

SELECT COUNT(t.status)

FROM TUTOR t

WHERE t.status = 'Temp Stop’

|  |
| --- |
| **COUNT(T.STATUS)** |
| 2 |

SELECT t.TutorID, t.status

FROM TUTOR t

WHERE t.status = ‘Active'

|  |  |
| --- | --- |
| **TUTORID** | **STATUS** |
| 100 | Active |
| 103 | Active |
| 104 | Active |
| 106 | Active |

5-47. What is the average Read score for all students? What are the minimum and maximum Read scores?

SELECT AVG(s.Read),MIN(s.Read),MAX(s.Read)

FROM STUDENT s

|  |  |  |
| --- | --- | --- |
| **AVG(S.READ)** | **MIN(S.READ)** | **MAX(S.READ)** |
| 3.6625 | 1.3 | 7.8 |

5-48. List the IDs of the tutors who are currently tutoring more than one student.

SELECT m.TutorID, COUNT(\*)

FROM MATCH\_HISTORY m

GROUP BY m.TutorID

HAVING COUNT(\*) >1

|  |  |
| --- | --- |
| **TUTORID** | **COUNT(\*)** |
| 104 | 2 |

5-49. What are the TutoriDs for tutors who have not yet tutored anyone?

SELECT t.TutorID

FROM TUTOR t

LEFT JOIN MATCH\_HISTORY m

ON t.TutorID = m.TutorID

WHERE m.TutorID IS NULL

|  |
| --- |
| **TUTORID** |
| 105 |

5-50. How many students were matched with someone in the first five months of the year?

SELECT COUNT(\*)

FROM MATCH\_HISTORY m

WHERE m.StartDate BETWEEN '1/01/2018' AND '5/31/2018'

|  |
| --- |
| **COUNT(\*)** |
| 4 |

5-51. Which student has the highest Read score?

SELECT s.StudentID, s.Read

FROM STUDENT s

ORDER BY s.Read DESC

FETCH NEXT 1 ROW ONLY

|  |  |
| --- | --- |
| **STUDENTID** | **READ** |
| 3006 | 7.8 |

5-52. Show the average, maximum, and minimum Read score per student group.

SELECT s.grp,min(s.read),max(s.read),avg(s.read)

FROM STUDENT s

WHERE s.grp = 1

GROUP BY s.grp;

|  |  |  |  |
| --- | --- | --- | --- |
| **GRP** | **MIN(S.READ)** | **MAX(S.READ)** | **AVG(S.READ)** |
| 1 | 3.3 | 3.3 | 3.3 |

SELECT s.grp,min(s.read),max(s.read),avg(s.read)

FROM STUDENT s

WHERE s.grp = 2

GROUP BY s.grp;

|  |  |  |  |
| --- | --- | --- | --- |
| **GRP** | **MIN(S.READ)** | **MAX(S.READ)** | **AVG(S.READ)** |
| 2 | 2.7 | 5.6 | 4.15 |

SELECT s.grp,min(s.read),max(s.read),avg(s.read)

FROM STUDENT s

WHERE s.grp = 3

GROUP BY s.grp;

|  |  |  |  |
| --- | --- | --- | --- |
| **GRP** | **MIN(S.READ)** | **MAX(S.READ)** | **AVG(S.READ)** |
| 3 | 1.3 | 7.8 | 3.8 |

SELECT s.grp,min(s.read),max(s.read),avg(s.read)

FROM STUDENT s

WHERE s.grp = 4

GROUP BY s.grp;

|  |  |  |  |
| --- | --- | --- | --- |
| **GRP** | **MIN(S.READ)** | **MAX(S.READ)** | **AVG(S.READ)** |
| 4 | 1.5 | 4.8 | 3.15 |

5-53. How long had each student studied in the adult literacy program?

SELECT m.studentid,round(case when m.enddate is null then sysdate else m.enddate end - m.startdate) days

from match\_history m

|  |  |
| --- | --- |
| **STUDENTID** | **DAYS** |
| 3000 | 988 |
| 3001 | 120 |
| 3002 | 19 |
| 3003 | 850 |
| 3004 | 14 |
| 3005 | 27 |
| 3006 | 846 |

5-54. Which tutors have a Dropped status and have achieved their certification after 4/01/2018?

SELECT t.status,certdate

from tutor t

where t.certdate > to\_date ('04/01/2018','mm/dd/yyyy') and t.status = ‘Dropped'

no data found

5-55. How many tutors have an Active status in the database?

SELECT count(\*)

from tutor t

where t.status = ‘Active'

|  |
| --- |
| **COUNT(\*)** |
| 4 |

5-56. What is the average length of time a student stayed (or has stayed) in the program?

select round(avg(total)) average\_date

from(SELECT round(case when m.enddate is null then sysdate else m.enddate end - m.startdate) as total

FROM match\_history m

|  |
| --- |
| **AVERAGE\_DATE** |
| 409 |

#4 Because the key constraints connect all three tables, a way to prevent that is to remove the constraints first before delete take place.