**student\_sem1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **STUDENT ID** | **NAME** | **COURSE** | **GENDER** | **SCIENCE** | **MATH** |
| 1001 | Sandy | IT | M | 81.30 | 89.10 |
| 1002 | Mike | IT | M | 91.20 | 76.25 |
| 1003 | Xyril | Nursing | F | 95.60 | 80.00 |
| 1004 | Alfred | Nursing | M | 92.40 | 79.70 |
| 1005 | Xelene | Accounting | F | 88.10 | 85.30 |
| 1006 | Xarah | Accounting | F | 78.35 | 82.70 |
| 1007 | Jessie | Nursing | M | 84.80 | 93.60 |

**NATIONALITY TABLE**

|  |  |  |
| --- | --- | --- |
| **NATIONALITY ID** | **NATIONALITY** | **NAME** |
| 1 | Brazilian | Sandy |
| 2 | Polish | Mike |
| 3 | Polish | Xyril |
| 4 | Thai | Alfred |
| 5 | Polish | Xelene |
| 6 | Filipino | Xarah |
| 7 | Brazilian | Jessie |

**QUERIES:**

1. Display the **COURSE** andthe **MATH grade** from the student’s record that got **highest** in **MATH** display **per COURSE**.

**Output like:   
1. SMARTEST IN MATH by COURSE:***course 1 – highest math grade of among students doing course 1.*

*course 2 – highest math grade of among students doing course 2.*

*Etc..*

1. Display the **number of students** in the student record.

**Output like:   
2. TOTAL NUMBER OF STUDENTS in the RECORD:***There are \* students in the student’s record.*

1. Display the **GENDER** and the **average** **SCIENCE grade** of the students from the record. Display by **gender**.

**Output like:   
4. AVERAGE SCIENCE GRADE BY GENDER***The average science grade for F is AVG GRADE.*

*The average science grade for M is AVG GRADE.*

1. Display the **COURSE** and the **average MATH grade** of the all students in **Accounting**.

**Output like:   
5. AVERAGE MATH GRADE OF THE ACCOUNTING STUDENTS***Accounting Course – Average math Grade*

1. Display the **sum** of the student’s **MATH** grade by **GENDER**.

**Output like:   
6. SUM OF MATH GRADE BY GENDER***M – Sum of math grade for all males*

*F – Sum of math grade for all females*

1. **Count** how many **Brazilian students** are there in the student’s record.

**Output like:   
7. TOTAL NUMBER OF BRAZILIAN STUDENTS***There are (NO. OF BRAZILIAN STUDENTS) Brazilians in the record.*

1. Display the **COURSE** and the **average SCIENCE grade** of the students **per COURSE**.

**Output like:   
8. AVERAGE SCIENCE GRADE BY COURSE***Course1 – Average Science Grade*

*Course1 – Average Science Grade*

*Etc.*

1. **Count** the number of **Male and Female Students** in the record.

**Output like:   
9. NUMBER OF MALE AND FEMALE STUDENTS IN THE RECORD***M – number of males students*

*F – number of female students*

1. **Count** how many students are there **from each nationality** in the student record.  
     
   **Output like:**   
   **10. NUMBER OF STUDENTS FROM EACH NATIONALITY**  
   *There are 2 Brazilian(s) in the record.  
   There are 1 Thai(s) in the record.  
   ---*
2. Display students’ **NAME** and their corresponding **COURSE** and **NATIONALITY**

**Output like:**   
**10. STUDENT LIST BY NAME, COURSE & NATIONALITY**  
*name 1 – course – nationality*

*name 2 – course – nationality*

*---*

1. Display students’ **NAME, SCIENCE grade** and their corresponding **NATIONALITY** who got lowest grade in SCIENCE **by nationality**

**Output like:**   
**11. LOWEST SCIENCE GRADE BY NATIONALITY**  
*name 1 –nationality – science grade among the nationality*

*name 2 –nationality – science grade among the nationality*