 **INDIAN SCHOOL AL WADI AL KABIR**

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| **Class: XII** | **SUB: INFORMATICS PRACTICES** | **Date of Completion:****08-11-2024** |
| **Worksheet : 06** | **TOPIC : MySQL Practical Questions** |  **Note: To be written in Record Book** |

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| 1 | Create tables BANK and populate the table as shown below. Ac\_no is the Primary Key and cust\_name should not accept null. BANK

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Ac\_No | Cust\_Name | B\_Name | Amount | Date\_of\_open | No\_of\_transaction |
| A001 | Agam Shah | SBI | 28000 | 2019-06-01 | 5 |
| A002 | Nishant Patel | HDFC | 22000 | 2017-07-02 | 7 |
| A003 | Krunal | ICICI | 66000 | 2018-06-04 | 9 |
| A004 | Twinkle | HDFC | 55000 | 2018-01-10 | 6 |
| A005 | Jinal | ICICI | 34000 | 2019-01-15 | 3 |
| A006 | Aaditya | SBI | 90800 | 2017-08-18 | 1 |

LOANAnswer the following by writing valid SQL queries, based on the tables given above:(i)To display the number of customers in SBI who opened their account in the year 2019.(ii)To display Ac\_No,Amount, No\_of\_transaction of customers whose bank is SBI or ICICI bank.(iii)To display the detail of customer whose name ends with ‘l’.(iv)To display the name of the customers whose amount is in the range 50000 to 60000.(v)To find the total number of transactions in each bank separately.(vi) Display cust\_name, b\_name and loan\_amt of all customers who have taken loan.

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| --- | --- |
| Ac\_No | Loan\_Amt |
| A004 | 23000 |
| A001 | 34000 |

 |
| 2. | Create table FLIGHT and add the records as shown below.Flight\_no is the primary key and Origin should not accept null.FLIGHT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Flight\_No | Origin | Destination | Seats | FlightDate | Rate |
| 1005 | Varanasi | Nepal | 275 | 12-Dec-07 | 3000 |
| 2785 | Delhi | Kerala | 290 | 17-Jan-08 | 5500 |
| 6587 | Mumbai | Varanasi | 435 | 19-Feb-08 | 5000 |
| 1265 | Varanasi | Nepal | 200 | 02-Jan-08 | 5400 |
| 4457 | Delhi | Lucknow | 150 | 22-Feb-08 | 4500 |
| 6856 | Varanasi | Mumbai | 180 | 03-Mar-08 | 6000 |

  CUSTOMER

|  |  |  |
| --- | --- | --- |
| Custno | Cname | Flight\_No |
| 111 | Rajeev | 2785 |
| 222 | Samual | 4457 |

 *Answer the following by writing valid SQL queries, based on the tables given above:* i) Display the details of flights from Delhi to Lucknow. ii) Display the origin and seats of all flights whose rate is in the range 4000 to 6000. iii) Display the city from where there is only one flight. iv) Show the details of all flights which has the flight date in January v) Increase the rate of all Delhi flights by 500. vi) Display the customer name, origin and destination of all customers. |
| 3. | Create the tables COACH, populate the table with records as given. Coachid is the primary key and cname should not accept null value.COACH

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| COACHID | CNAME | AGE | SPORTS | DOA | PAY | GENDER |
| 100 | KIRAN | 35 | KARATE | 27/03/96 | 1000 | M |
| 200 | RAVINA | 34 | KARATE | 20/01/98 | 1200 | F |
| 300 | TARUN | 33 | BASKET BALL | 01/01/98 | 2000 | M |
| 400 | KUSH | 41 | SWIMMING | 13/01/98 | 900 | M |
| 500 | SHYMA | 37 | BASKET BALL | 19/02/98 | 750 | F |
| 600 | DAVID | 32 | CRICKET | 13/01/04 | 850 | M |

GAME

|  |  |
| --- | --- |
| COACHID | STRENGTH |
| 400 | 34 |
| 100 | 54 |

*Answer the following by writing valid SQL queries, based on the tables given above:*1. Display the total, average, highest and lowest pay among all coaches.
2. Display only those sports where number of coaches are less than 2 in each sport.

iii) List the cname, age, and doa for those who do not play cricket or basketball.iv) Show the details of only female coach whose age is below 40, sorted by their pay. v) Display all coaches whose name starts with ‘S’ or ‘R’ in the coach relation.Vivi) Display the coachname, sports and strength of coaches. |
| 4 | Create a table TEACHER and populate the following records as given below ID is the primary key and name should not accept null values.TEACHER

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Name | Department | Hiredate | Category | Gender | Salary |
| 1 | Tanya Nanda | Maths | 1994-03-17 | PGT | F | 25000 |
| 2 | Saurabh Sharma | Art | 1996-02-12 | PRT | M | 20000 |
| 3 | Nandita Arora | English | 1998-05-16 | PGT | F | 30000 |
| 4 | James jacob | English | 1989-10-16 | TGT | M | 25000 |
| 5 | Jaspreet Kaur | Hindi | 1990-08-01 | PRT | F | 22000 |
| 6 | Disha Sehgal | Maths | 1987-03-17 | PRT | F | 21000 |

  STUDENT

|  |  |  |
| --- | --- | --- |
| Rollno | name | ID |
| 1 | Hannah | 2 |
| 2 | Vivek | 5 |

Answer the following by writing valid SQL queries, based on the tables given above:i) Display the average salary of each department.ii) Display the name, department and salary of female teachers who joined before  1990-04-21.iii) Display the name and department of all PRT teachers in the descending order of their  salary.iv) Increase the salary of all maths teachers by 5 %.v) Display the details of all teachers from english department whose name contains the  letter ‘m’.vi) Display the student name, teacher name and department of all students. |