DBT Problem Solving - Set - 007

Feb19/ DBT-PS/ 007

Database Technologies

Diploma in Advance Computing

February 2019

**Branch Table:**

|  |  |  |
| --- | --- | --- |
| **branchID** | **branchName** | **city** |
| 1 | Paud Road | pune |
| 2 | MG Road | Mumbai |
| 3 | Kothrud | Pune |
| 4 | Camp | Pune |
| 5 | Deccan | Pune |
| 6 | Dadar | Mumbai |
| 7 | Link Road | Mumbai |

**Bank\_Employee Table:**

|  |  |  |  |
| --- | --- | --- | --- |
| **employeeID** | **EmployeeName** | **branchID** | **Salary** |
| 1 | Saleel | 1 | 4500 |
| 2 | Sharmin | 3 | 6000 |
| 3 | Vrushali | 1 | 2500 |
| 4 | Bandish | 2 | 2000 |
| 5 | Nitish | 5 | 1000 |
| 6 | Neel | 6 | 3200 |
| 7 | Deep | 3 | 3400 |
| 8 | Gau | 2 | 5600 |
| 9 | Supriya | 4 | 3700 |
| 10 | Sangita | 5 | 2800 |
| 11 | Monika | 4 | 1800 |
| 12 | Kaushal | 3 | 800 |
| 13 | Ruhan | 5 | 5000 |
| 14 | Mai | 5 | 3400 |
| 15 | Bipin | 3 | 950 |
| 16 | Didi | 3 | 1200 |
| 17 | Sumeet | 3 | 1100 |
| 18 | Raja | 1 | 3200 |
| 19 | Nrupali | 4 | 2300 |
| 20 | Rahul | 2 | 1300 |

**Bank\_Customer Table:**

|  |  |  |  |
| --- | --- | --- | --- |
| **customerID** | **customerName** | **gender** | **city** |
| 1 | Amit | M | pune |
| 2 | Rahul | M | Mumbai |
| 3 | Sanjay | M | Pune |
| 4 | Pinky | F | Pune |
| 5 | Smita | F | Pune |
| 6 | Janhavi | F | Mumbai |
| 7 | Omkar | M | Mumbai |
| 8 | Ninad | M | pune |
| 9 | Sanjay | M | Mumbai |
| 10 | Bob | M | Pune |
| 11 | Rajesh | M | Pune |
| 12 | Amol | M | Pune |

**Account Table:**

|  |  |  |  |
| --- | --- | --- | --- |
| **accountNo** | **customerID** | **branchID** | **balance** |
| 2011 | 4 | 6 | 31608 |
| 2214 | 10 | 5 | 113190 |
| 2594 | 5 | 2 | 114167 |
| 2743 | 10 | 6 | 94827 |
| 2120 | 5 | 2 | 92503 |
| 2080 | 6 | 2 | 40258 |
| 1675 | 1 | 5 | 124408 |
| 1694 | 6 | 5 | 92102 |
| 2175 | 10 | 5 | 34478 |
| 1607 | 4 | 7 | 144502 |
| 2365 | 12 | 4 | 52160 |
| 2222 | 12 | 4 | 92940 |
| 1590 | 11 | 7 | 128992 |
| 2041 | 2 | 6 | 140878 |
| 2722 | 11 | 3 | 97540 |
| 2532 | 9 | 4 | 93655 |
| 2236 | 10 | 4 | 58354 |
| 2277 | 7 | 2 | 56088 |
| 1254 | 10 | 7 | 147988 |
| 2781 | 5 | 4 | 34521 |
| 1811 | 7 | 5 | 105396 |
| 2985 | 2 | 3 | 134739 |
| 2392 | 2 | 3 | 83100 |
| 2006 | 3 | 2 | 45905 |
| 2738 | 7 | 5 | 57958 |
| 1634 | 1 | 5 | 111726 |
| 2196 | 5 | 6 | 143319 |
| 2635 | 4 | 6 | 70094 |
| 2754 | 12 | 1 | 143892 |
| 1322 | 12 | 3 | 122719 |
| 1821 | 1 | 2 | 75434 |
| 2807 | 8 | 5 | 87713 |
| 1696 | 4 | 5 | 96282 |
| 1683 | 10 | 1 | 135911 |
| 2168 | 7 | 1 | 142343 |
| 1541 | 4 | 6 | 92875 |
| 2980 | 8 | 5 | 68209 |
| 2906 | 9 | 4 | 57334 |
| 2696 | 1 | 6 | 123148 |
| 1738 | 8 | 1 | 94580 |
| 1115 | 9 | 2 | 34083 |
| 2231 | 3 | 3 | 79575 |
| 1114 | 3 | 6 | 148874 |
| 2357 | 2 | 1 | 43202 |
| 1006 | 10 | 6 | 142806 |
| 1336 | 10 | 1 | 68072 |
| 1316 | 2 | 7 | 73540 |
| 2935 | 11 | 7 | 93922 |
| 1112 | 9 | 5 | 143191 |
| 2667 | 9 | 3 | 102538 |

**Depositor Table:**

|  |  |  |  |
| --- | --- | --- | --- |
| **id** | **accountNo** | **date** | **amount** |
| 1 | 2011 | 2019-01-08 | 18478 |
| 2 | 2214 | 2019-01-18 | 9260 |
| 3 | 2594 | 2019-01-24 | 4364 |
| 4 | 2743 | 2019-02-02 | 5633 |
| 5 | 2120 | 2019-02-09 | 5435 |
| 6 | 2080 | 2019-02-11 | 16280 |
| 7 | 1675 | 2019-03-28 | 17382 |
| 8 | 1694 | 2019-04-13 | 7111 |
| 9 | 2175 | 2019-04-24 | 14256 |
| 10 | 1607 | 2019-06-10 | 9090 |
| 11 | 2365 | 2019-06-22 | 6126 |
| 12 | 2222 | 2019-07-08 | 13072 |
| 13 | 1590 | 2019-07-13 | 17010 |
| 14 | 2041 | 2019-07-17 | 3867 |
| 15 | 2722 | 2019-08-10 | 18316 |
| 16 | 2532 | 2019-08-12 | 1775 |
| 17 | 2236 | 2019-08-19 | 9523 |
| 18 | 2277 | 2019-08-21 | 18195 |
| 19 | 1254 | 2019-09-21 | 9580 |
| 20 | 2781 | 2019-09-24 | 19191 |
| 21 | 1811 | 2019-11-01 | 5311 |
| 22 | 2985 | 2019-11-21 | 8815 |
| 23 | 2392 | 2019-11-23 | 16756 |
| 24 | 2006 | 2019-11-30 | 19488 |
| 25 | 2738 | 2019-12-02 | 15807 |
| 26 | 1634 | 2019-01-11 | 6600 |
| 27 | 2196 | 2019-02-05 | 14609 |
| 28 | 2635 | 2019-02-12 | 10939 |
| 29 | 2754 | 2019-03-06 | 5450 |
| 30 | 1322 | 2019-03-14 | 18184 |
| 31 | 1821 | 2019-03-18 | 4074 |
| 32 | 2807 | 2019-03-20 | 4599 |
| 33 | 1696 | 2019-03-27 | 16670 |
| 34 | 1683 | 2019-04-13 | 19228 |
| 35 | 2168 | 2019-04-30 | 12475 |
| 36 | 1541 | 2019-05-06 | 19689 |
| 37 | 2980 | 2019-05-08 | 10803 |
| 38 | 2906 | 2019-06-04 | 14468 |
| 39 | 2696 | 2019-07-27 | 2186 |
| 40 | 1738 | 2019-08-16 | 12348 |
| 41 | 1115 | 2019-08-20 | 10837 |
| 42 | 2231 | 2019-08-31 | 10182 |
| 43 | 1114 | 2019-09-05 | 14926 |
| 44 | 2357 | 2019-09-17 | 14558 |
| 45 | 1006 | 2019-09-30 | 10466 |
| 46 | 1336 | 2019-11-04 | 11236 |
| 47 | 1316 | 2019-11-06 | 3184 |
| 48 | 2935 | 2019-11-13 | 5985 |
| 49 | 1112 | 2019-11-16 | 18247 |
| 50 | 2667 | 2019-12-17 | 16246 |

**Withdraw Table:**

|  |  |  |  |
| --- | --- | --- | --- |
| id | accountNo | date | amount |
| 1 | 2011 | 2019-01-11 | 1092 |
| 2 | 2214 | 2019-01-21 | 1137 |
| 3 | 2594 | 2019-01-27 | 1001 |
| 4 | 2743 | 2019-02-05 | 524 |
| 5 | 2120 | 2019-02-12 | 1068 |
| 6 | 2080 | 2019-02-14 | 749 |
| 7 | 1675 | 2019-03-31 | 892 |
| 8 | 1694 | 2019-04-16 | 781 |
| 9 | 2175 | 2019-04-27 | 1008 |
| 10 | 1607 | 2019-06-13 | 794 |
| 11 | 2365 | 2019-06-25 | 554 |
| 12 | 2222 | 2019-07-11 | 787 |
| 13 | 1590 | 2019-07-16 | 840 |
| 14 | 2041 | 2019-07-20 | 543 |
| 15 | 2722 | 2019-08-13 | 883 |
| 16 | 2532 | 2019-08-15 | 735 |
| 17 | 2236 | 2019-08-22 | 835 |
| 18 | 2277 | 2019-08-24 | 567 |
| 19 | 1254 | 2019-09-24 | 701 |
| 20 | 2781 | 2019-09-27 | 924 |
| 21 | 1811 | 2019-11-04 | 1112 |
| 22 | 2985 | 2019-11-24 | 762 |
| 23 | 2392 | 2019-11-26 | 749 |
| 24 | 2006 | 2019-12-03 | 828 |
| 25 | 2738 | 2019-12-05 | 522 |
| 26 | 1634 | 2019-01-14 | 815 |
| 27 | 2196 | 2019-02-08 | 676 |
| 28 | 2635 | 2019-02-15 | 538 |
| 29 | 2754 | 2019-03-09 | 944 |
| 30 | 1322 | 2019-03-17 | 1044 |
| 31 | 1821 | 2019-03-21 | 934 |
| 32 | 2807 | 2019-03-23 | 773 |
| 33 | 1696 | 2019-03-30 | 1018 |
| 34 | 1683 | 2019-04-16 | 1022 |
| 35 | 2168 | 2019-05-03 | 732 |
| 36 | 1541 | 2019-05-09 | 886 |
| 37 | 2980 | 2019-05-11 | 828 |
| 38 | 2906 | 2019-06-07 | 1096 |
| 39 | 2696 | 2019-07-30 | 797 |
| 40 | 1738 | 2019-08-19 | 1018 |
| 41 | 1115 | 2019-08-23 | 640 |
| 42 | 2231 | 2019-09-03 | 695 |
| 43 | 1114 | 2019-09-08 | 1119 |
| 44 | 2357 | 2019-09-20 | 886 |
| 45 | 1006 | 2019-10-03 | 1075 |
| 46 | 1336 | 2019-11-07 | 856 |
| 47 | 1316 | 2019-11-09 | 882 |
| 48 | 2935 | 2019-11-16 | 1169 |
| 49 | 1112 | 2019-11-19 | 786 |
| 50 | 2667 | 2019-12-20 | 1151 |

**Loan Table:**

|  |  |  |
| --- | --- | --- |
| **loanNumber** | **branchID** | **amount** |
| 5790 | 4 | 30848 |
| 7403 | 2 | 35213 |
| 7700 | 1 | 40398 |
| 6040 | 5 | 40540 |
| 5001 | 4 | 28457 |
| 6700 | 4 | 48887 |
| 5055 | 4 | 35619 |
| 5590 | 2 | 31693 |
| 5121 | 5 | 31128 |
| 7562 | 5 | 35056 |
| 5067 | 4 | 40542 |
| 5141 | 5 | 30888 |
| 6973 | 1 | 45888 |
| 6177 | 2 | 44410 |
| 7339 | 3 | 43318 |
| 5216 | 4 | 46209 |
| 5387 | 2 | 46489 |
| 6082 | 3 | 38052 |
| 7771 | 1 | 31271 |
| 7843 | 5 | 29048 |
| 5810 | 5 | 26353 |
| 6381 | 3 | 42518 |
| 6275 | 5 | 48126 |
| 7742 | 2 | 39875 |
| 7630 | 1 | 48734 |
| 7986 | 3 | 38463 |
| 7743 | 4 | 36280 |
| 6623 | 2 | 46785 |
| 5779 | 3 | 48285 |
| 7880 | 3 | 36092 |
| 7588 | 4 | 30519 |
| 7310 | 3 | 44267 |
| 6889 | 2 | 30800 |
| 7550 | 5 | 40131 |
| 5376 | 4 | 48628 |

**Loan\_Borrower Table:**

|  |  |  |
| --- | --- | --- |
| **id** | **customerID** | **loanNumber** |
| 1 | 2 | 5790 |
| 2 | 2 | 7403 |
| 3 | 2 | 7700 |
| 4 | 3 | 6040 |
| 5 | 4 | 5001 |
| 6 | 3 | 6700 |
| 7 | 1 | 5055 |
| 8 | 5 | 5590 |
| 9 | 1 | 5121 |
| 10 | 1 | 7562 |
| 11 | 1 | 5067 |
| 12 | 3 | 5141 |
| 13 | 4 | 6973 |
| 14 | 4 | 6177 |
| 15 | 4 | 7339 |
| 16 | 1 | 5216 |
| 17 | 3 | 5387 |
| 18 | 4 | 6082 |
| 19 | 4 | 7771 |
| 20 | 3 | 7843 |
| 21 | 2 | 5810 |
| 22 | 3 | 6381 |
| 23 | 4 | 6275 |
| 24 | 4 | 7742 |
| 25 | 2 | 7630 |
| 26 | 3 | 7986 |
| 27 | 2 | 7743 |
| 28 | 5 | 6623 |
| 29 | 5 | 5779 |
| 30 | 5 | 7880 |
| 31 | 1 | 7588 |
| 32 | 5 | 7310 |
| 33 | 4 | 6889 |
| 34 | 2 | 7550 |
| 35 | 2 | 5376 |

**Giver the above tables solve the following queries.**

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**ANS.**

1. **Q**
2. **Q**
3. **Q**
4. **Q**
5. **Q**
6. **Q**
7. **Q**
8. **Q**
9. **Q**
10. **Q**
11. **Q**
12. **Q**
13. **Q**
14. **Q**
15. **Q**