|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SCHOOL | | | | | | | | |
| S\_ID | S\_NAME | S\_CLASS | S\_SEC | S\_BIRTHDATE | S\_COL | S\_POINT | S\_BON\_POINT | S\_ACTIVE |
| 1 | A1 | 9 | A | 10/10/2010 | RED | 100 | 10 | 1 |
| 2 | A2 | 8 | B | 12/08/2011 | RED | 100 | NULL | 1 |
| 3 | A3 | 10 | A | 14/09/2010 | YEL | 90 | NULL | 1 |
| 4 | A4 | 9 | B | 10/10/2009 | YEL | 80 | NULL | 1 |
| 5 | A5 | 8 | A | 10/02/2011 | RED | 120 | NULL | 1 |
| 6 | A6 | 8 | B | 30/12/2010 | BLU | 70 | 20 | 0 |
| 7 | A7 | 10 | A | 16/01/2009 | RED | 100 | NULL | 1 |
| 8 | A8 | 9 | A | 14/11/2008 | RED | 90 | NULL | 1 |
| 9 | A9 | 8 | A | 13/03/2008 | BLU | 80 | 0 | 1 |
| 10 | A10 | 9 | A | 21/04/2009 | BLU | 120 | 0 | 1 |
| 11 | A11 | 9 | B | 23/12/2009 | BLU | 70 | 0 | 0 |
| 12 | A12 | 8 | A | 30/06/2009 | YEL | 80 | NULL | 1 |
| 13 | A13 | 8 | A | 20/10/2007 | RED | 90 | NULL | 1 |
| 14 | A14 | 9 | A | 17/11/2007 | RED | 50 | NULL | 1 |

| **Condition** | **Value of A** | **Evaluation** |
| --- | --- | --- |
| a IS NULL | 10 | FALSE |
| a IS NOT NULL | 10 | TRUE |
| a IS NULL | NULL | TRUE |
| a IS NOT NULL | NULL | FALSE |
| a = NULL | 10 | UNKNOWN |
| a != NULL | 10 | UNKNOWN |
| a = NULL | NULL | UNKNOWN |
| a != NULL | NULL | UNKNOWN |
| a = 10 | NULL | UNKNOWN |
| a != 10 | NULL | UNKNOWN |

Thus, NOT FALSE evaluates to TRUE, but NOT UNKNOWN evaluates to UNKNOWN.

NOT: Returns TRUE if the following condition is FALSE. Returns FALSE if it is TRUE. If it is UNKNOWN, then it remains UNKNOWN.

***NOT Truth Table***

| **--** | **TRUE** | **FALSE** | **UNKNOWN** |
| --- | --- | --- | --- |
| **NOT** | FALSE | TRUE | UNKNOWN |

AND: Returns TRUE if both component conditions are TRUE. Returns FALSE if either is FALSE. Otherwise returns UNKNOWN.

***AND Truth Table***

| **AND** | **TRUE** | **FALSE** | **UNKNOWN** |
| --- | --- | --- | --- |
| **TRUE** | TRUE | FALSE | UNKNOWN |
| **FALSE** | FALSE | FALSE | FALSE |
| **UNKNOWN** | UNKNOWN | FALSE | UNKNOWN |

OR: Returns TRUE if either component condition is TRUE. Returns FALSE if both are FALSE. Otherwise returns UNKNOWN.

***OR Truth Table***

| **OR** | **TRUE** | **FALSE** | **UNKNOWN** |
| --- | --- | --- | --- |
| **TRUE** | TRUE | TRUE | TRUE |
| **FALSE** | TRUE | FALSE | UNKNOWN |
| **UNKNOWN** | TRUE | UNKNOWN | UNKNOWN |