1. A pseudocolumn assigning sequential values starting from 1 to each row in a query result: ROWNUM
2. Prevents INSERTS and UPDATES from creating rows that the view cannot select: WITH CHECK OPTION
3. Ensures no DML operations can be performed on a view: WITH READ ONLY

1. SELECT table_name, column_name, updatable, insertable, deletable
   FROM USER_UPDATABLE_COLUMNS
   WHERE table_name IN ('COPY_D_SONGS', 'COPY_D_EVENTS', 'COPY_D_CDS', 'COPY_D_CLIENTS');
2. CREATE OR REPLACE VIEW view_copy_d_songs AS
   SELECT * FROM copy_d_songs;
3. INSERT INTO view_copy_d_songs (id, title, duration, artist, type_code)
   VALUES (88, 'Mello Jello', 2, 'The What', 4);

   SELECT * FROM copy_d_songs;
4. CREATE VIEW read_copy_d_cds AS
   SELECT * FROM copy_d_cds WHERE year = 2000
   WITH READ ONLY;
5. DELETE FROM read_copy_d_cds WHERE cd_number = 90;
6. CREATE OR REPLACE VIEW read_copy_d_cds AS
7. SELECT * FROM copy_d_cds WHERE year = 2000
   WITH CHECK OPTION CONSTRAINT ck_read_copy_d_cds;

   SELECT * FROM read_copy_d_cds;
8.
9.
10.
11. Some restrictions on modifying data through a view are no DML operations allowed and it prevents changes that result in rows not being part of the view
12. Moore's Law states that the number of transistors on a microchip doubles approximately every two years, improving performance. However, this trend is slowing down due to economic and physical constraints.
13. The singularity refers to a hypothetical point when artificial intelligence surpasses human intelligence, leading to rapid technological growth. This concept suggests transformative changes in society and computing. It's debated whether this will occur, with predictions varying from the mid-21st century to later.