**Lab Guide**

**SQL**

**V1.2**

**Lab 1**

**Topics: SQL [Postgres]**

The below table has the list of all the Beatles songs in the chronological order:

|  |  |  |  |
| --- | --- | --- | --- |
| **Album\_Id(Unique key)** | **Year** | **Single / EP / LP** | **Release Date** |
|  | 1962 | “Love Me Do / P.S. I Love You” | Oct. 5 |
|  | 1963 | “Please Please Me” **Please Please Me** “From Me to You / Thank You Girl” “She Loves You / I’ll Get You” **With The Beatles** “I Want To Hold Your Hand / This Boy” | Jan. 11 **Mar. 22** Apr. 12 Aug. 23 **Nov. 22** Nov. 29 |
|  | 1964 | “Can’t Buy Me Love / You Can’t Do That” *Long Tall Sally / I Call Your Name /       Slow Down / Match Box* **A Hard Day’s Night** “I Feel Fine / She’s A Woman” **Beatles For Sale** | Mar. 20 *July 10*   **July 10** Nov. 27 **Dec. 4** |
|  | 1965 | “Ticket To Ride / Yes It Is” “Help! / I’m Down” **Help!** “We Can Work It Out / Day Tripper” **Rubber Soul** | Apr. 9 July 23 **Aug. 6** Dec. 3 **Dec. 3** |
|  | 1966 | “Paperback Writer / Rain” “Yellow Submarine” **Revolver** | June 10 Aug. 5 **Aug. 28** |
|  | 1967 | “Strawberry Fields Forever / Penny Lane” **Sgt. Pepper’s Lonely Hearts Club Band** “All You Need Is Love / Baby You’re A Rich Man” “Hello Goodbye / I Am The Walrus” **Magical Mystery Tour** | Feb. 13 **June 1** July 7 Nov. 24 **Nov. 27** (U.S.) |
|  | 1968 | “Lady Madonna / The Inner Light” “Hey Jude / Revolution” **The Beatles (aka The White Album)** | Mar. 15 Aug. 30 **Nov. 22** |
|  | 1969 | **Yellow Submarine** “Get Back / Don’t Let Me Down” “The Ballad of John and Yoko / Old Brown Shoe” **Abbey Road** | **Jan. 17** Apr. 11 May 3 **Sept. 26** |
|  | 1970 | “Let It Be / You Know My Name (Look Up The #)”  “The Long and Winding Road / For You Blue” **Let It Be** | Mar. 6 May 11 (U.S.) **May 18** |

Please note the following:

* Singles are in double quotes
* EP discs (Extended play discs – contains more music than a single, but less than a full album) are in italics
* LP discs (Long playing discs – old vinyl gramophone records that holds full albums) are in bold

Questions:

1. Write a SQL query to create a table with the above-mentioned structure.
2. Write Sql query to insert the above information into the table (Ensure that the table has adequate columns to hold all this information)
3. Write a SQL query to get the list of all singles that were released before Thanksgiving Day of 1965
4. Write a SQL query to get those items that are both singles and LPs and sort them chronologically
5. Write a SQL query that returns the total number of singles, EPs and LPs created by the Beatles.
6. Write a SQL query that will return the number of singles, EPs and LPS created by the Beatles per year