Attempt any 2 questions. All questions carry equal marks

All parts of questions must be attempted together

Q1: Differentiate between **Linear Layout** and **Relative layout**. Give the significance of following attributes of **Linear layout** with visual representation.
  a) android:**layout_weight**
  b) android:**gravity**
  c) android:**orientation**
  d) android:**weightSum**

Q2: What do you understand by **Intent Filters**? Explain with an example. Write a code to check whether entered username and password are matching against the desired username and password, if matching is successful print the message "SUCCESS" in second activity using **implicit intent** else print the message "DENIED" in second activity. (Only Java Code)

Q3: Write a code for creation of a **Database** with name "**Twitter**" and **Table** name "**Tweet**" using **SQLite Database** for Android Application, then write code for **inserting** data into database by passing **ContentValues** object.

Table : "Tweet"

Column Name	Data Type	Attributes
_id	INTEGER	Primary Key, Auto Increment
user_id	TEXT	
tweet_text	TEXT	

| creation_date | TEXT | |
| image_id | INTEGER | |

Assumption: Three images for three tweets with names coronavirus, book_computer, happy_life and all files stored locally in the Android project.

Insert the below records in **Tweet** Table

user_id	tweet_text	creation_date	image_id
"u_000765"	"Coronavirus is spreading all over the world"	"2020-05-01 08:52:25:005"	R.drawable.coronavirus
"u_000885"	"Computer books for Learning Database"	"2020-05-01 08:52:26:008"	R.drawable.book_computer
"u_000965"	"Be Happy and Stay Healthy"	"2020-05-01 08:52:36:018"	R.drawable.happy_life