IBM - Advanced Diploma on IT, Networking and Cloud Computing
ELECTIVE MODULE – 01 (PRACTICAL)

1. Upload a CSV file containing student records to the students table in Db2.
2. Create a document in the StudentDB Cloudant database with a student's details (name, age, and email).
3. Write and run a query to retrieve all documents in the Cloudant database where the student's age is greater than 20.
4. Use IBM Cloud Data Engine to perform data filtering and transformations on a dataset uploaded to the cloud.
5. Create an access group called DataAdmins and give it read/write access to your Db2 database.
6. Create a database called StudentRecords using IBM Db2.
7. Upload any sample text file to an IBM Cloud Object Storage bucket.
8. Integrate your chatbot with a simple web page or application and display its responses there.
9. Insert at least three records into the students table.
10. Change the default voice in Watson Text to Speech to a different language or style.
11. Create an object storage instance in IBM Cloud, name it StudentStorage, and upload a file to it.
12. Customize your IBM Cloud dashboard by pinning your most-used services and organizing them into categories.
13. Add intents and entities to your chatbot so it can answer questions about the weather and location.
14. Use IBM Watson Text to Speech to convert the sentence "Hello, welcome to our service!" to audio.
15. Invite a user to your IBM Cloud account and add them to the DataAdmins access group.
16. Create and open a new Jupyter Notebook in Watson Studio on IBM Cloud and write a simple Python code that prints "Hello, World!"
17. Upload a file to the students table in Db2.
18. Create an instance of Cloudant database on IBM Cloud and name it StudentDB.
19. Create a table named students with columns id, name, age, and department.
20. Set up an IBM Watson Assistant instance and create a simple chatbot that greets the user and asks for their name.

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