# GCP - Handbook

| Week # | Day # | Milestone Name | Skill | 9 am - 11 am (FN) | 11 am - 1 pm | 1 pm - 2 pm | 2 pm - 4 pm (AN) | 4 pm - 6 pm |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Database Fundamentals & Softskills | SQL | Self-Paced Learning **Relational Database Design** https://cognizant.tekstac.com/mod/udemy/view.php?id=49021 | Doubt Clarification | Lunch Break | Hands-On • Create Booking Table • Create town Table • Alter Manager Table | Hands-On • Insert Records into Manager Table • Insert Records into Guest Table • Update Revised Cabincost |
| | 2 | | SQL | Self-Paced Learning **Relational Database Design** https://cognizant.tekstac.com/mod/udemy/view.php?id=49021 | Self-Paced Learning **SQL for Beginners: Learn SQL using MySQL and Database Design** https://cognizant.tekstac.com/mod/udemy/view.php?id=49025 | Lunch Break | Hands-On • Update Booking price • Customer Details Based on Gmail Account • Cake name with first letter 'C' | Hands-On • Order details based on date • Customer Contact_Info • Cake Password Generation |
| | 3 | | SQL | BH Training | Doubt Clarification | Lunch Break | Hands-On • Order details based on month • Display Minimum price | Hands-On • Total Price and Average Price • Review with Guest Details |
| | 4 | | SQL | Self-Paced Learning **SQL for Beginners: Learn SQL using MySQL and Database Design** https://cognizant.tekstac.com/mod/udemy/view.php?id=49025 | Self-Paced Learning **SQL for Beginners: Learn SQL using MySQL and Database Design** https://cognizant.tekstac.com/mod/udemy/view.php?id=49025 | Lunch Break | Hands-On • Display Manager Details • Display Order and cake details | Hands-On • Order Details with total amount • Display booking Details based on date |
| | 5 | | SQL | BH Training | Doubt Clarification | Lunch Break | Hands-On • Number of Places in each Town | Hands-On • Number of Guest in each Resort Quiz • SQL basics with DML and DDL Statements |
| 2 | 6 | | DBMS & Data Model | Self-Paced Learning **Data Modeling and Relational Database Design using Erwin** https://cognizant.tekstac.com/mod/udemy/view.php?id=49035 | Doubt Clarification | Lunch Break | Hands-On • Display cake name that is not ordered • Guest details based on their stay • Guest Details based on date | Hands-On • Display Maximum order • Guest details who make more than 1 booking • Cake Order Details |
| | 7 | | DBMS & Data Model | Self-Paced Learning **Data Modeling and Relational Database Design using Erwin** https://cognizant.tekstac.com/mod/udemy/view.php?id=49035 | Self-Paced Learning **Data Modeling and Relational Database Design using Erwin** https://cognizant.tekstac.com/mod/udemy/view.php?id=49035 | Lunch Break | Extended Hands-On: CL - ICT <SQL><ATKDW333><SBA><TT> Quiz • Querying Database - Operators, Aggregate, String, Date Functions | |
| | 8 | DW Fundamentals, ETL concepts, Reporting concepts & Softskills | DW Basics | BH Training | Doubt Clarification | Lunch Break | Self-Paced Learning **Data Warehouse Fundamentals for Beginners** https://cognizant.tekstac.com/mod/udemy/view.php?id=49166 | Self-Paced Learning **Data Warehouse Fundamentals for Beginners** https://cognizant.tekstac.com/mod/udemy/view.php?id=49166 Quiz • Data Warehousing |
| | 9 | | ETL Concepts | Self-Paced Learning **ETL (Extract, Transform, and Load) Process in Data Warehouse** https://www.guru99.com/etl-extract-load-process.html | Self-Paced Learning **ETL (Extract, Transform, and Load) Process in Data Warehouse** https://www.guru99.com/etl-extract-load-process.html | Lunch Break | Business Mentor Connect | Self-Paced Learning **ETL (Extract, Transform, and Load) Process in Data Warehouse** https://www.guru99.com/etl-extract-load-process.html |
| | 10 | | ETL Concepts | BH Training | Doubt Clarification | Lunch Break | Self-Paced Learning **ETL (Extract, Transform, and Load) Process in Data Warehouse** https://www.guru99.com/etl-extract-load-process.html | Self-Paced Learning **ETL (Extract, Transform, and Load) Process in Data Warehouse** https://www.guru99.com/etl-extract-load-process.html Quiz • ETL |
| | 11 | | Reporting Concepts | **Reporting concepts** https://erl-tools.info/en/bi/reporting.htm | Doubt Clarification | Lunch Break | Self-Paced Learning **Reporting concepts** https://erl-tools.info/en/bi/reporting.htm | Self-Paced Learning **Reporting concepts** https://erl-tools.info/en/bi/reporting.htm |
| 3 | 12 | Python & Softskills | Python | Self-Paced Learning **Python for Beginners: Learn Python Programming (Python 3)** https://cognizant.tekstac.com/mod/udemy/view.php?id=49802 | Self-Paced Learning **Python for Beginners: Learn Python Programming (Python 3)** https://cognizant.tekstac.com/mod/udemy/view.php?id=49802 | Lunch Break | Hands-On • Welcome Message • Ice Cream Shop | Hands-On • Satellite • Vaccine Details |
| | 13 | | Python | BH Training | Doubt Clarification | Lunch Break | Hands-On • Salary Percentage • Electricity Bill | Hands-On • Pistol Shooting • Prime Factor |
| | 14 | | Python | Self-Paced Learning **Python for Beginners: Learn Python Programming (Python 3)** https://cognizant.tekstac.com/mod/udemy/view.php?id=49802 | Self-Paced Learning **Complete Python Programming Masterclass Beginner to Advanced** https://cognizant.tekstac.com/mod/udemy/view.php?id=48951 | Lunch Break | Hands-On • Window seat or not • Manager's FeedBack | Hands-On • State-wise Enrollment • Student Credentials Creation |
| | 15 | | Python | BH Training | Doubt Clarification | Lunch Break | QUALIFIER MOCK | Hands-On • Display bars • Lucky Number |
| 4 | 16 | | Python | Self-Paced Learning **Complete Python Programming Masterclass Beginner to Advanced** https://cognizant.tekstac.com/mod/udemy/view.php?id=48951 | Doubt Clarification | Lunch Break | Hands-On • Number Seperator - RE • Walk-in Interview - Exception Handling | Hands-On • Book Details - Classes and Object • Maintain Project Information - Inheritance |
| | 17 | | Python | Self-Paced Learning **Complete Python Programming Masterclass Beginner to Advanced** https://cognizant.tekstac.com/mod/udemy/view.php?id=48951 | Self-Paced Learning **Complete Python Programming Masterclass Beginner to Advanced** https://cognizant.tekstac.com/mod/udemy/view.php?id=48951 | Lunch Break | Business Mentor Connect | Hands-On • Monthly Expense- Operator overloading |
| | 18 | | Python | BH Training | Doubt Clarification | Lunch Break | Hands-On • Password Generator Quiz • Python Quiz | Extended Hands-On CL - ICT <Python><ATHPL064027><KBA><TT> |
| | 19 | Qualifier | Qualifier | QUALIFIER ASSESSMENT | | | | |
| | 20 | | Qualifier | | | | | |
| 5 | 21 | BigData | BigData | Self-Paced Learning **BigData_Topic1_Introduction to BigData [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56896 **BigData_Topic2_MapReduce [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56898 | Self-Paced Learning **BigData_Topic2_HDFS and MapReduce [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56899 **BigData_Topic3_YARN [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56901 | Lunch Break | Self-Paced Learning **BigData_Topic3_SQOOP [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56902 | Self-Paced Learning **BigData_Topic3_SQOOP-Part-1 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56903 |
| | 22 | | BigData | Self-Paced Learning **BigData_Topic3_SQOOP-Part-2 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56904 | Doubt Clarification | Lunch Break | Self-Paced Learning **BigData_Topic4_HIVE_Part1 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56906 | Self-Paced Learning **BigData_Topic4_HIVE_Part2 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56907 |
| | 23 | | BigData | BH Training | Self-Paced Learning **BigData_Topic5_PIG [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56909 | Lunch Break | Self-Paced Learning **BigData_Topic6_KAFKA [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56911 | Self-Paced Learning **BigData_Topic7_NoSQL & Hbase [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56913 |
| | 24 | | BigData | Self-Paced Learning **BigData_Topic8_Scala-Part 1 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56915 | Doubt Clarification | Lunch Break | Self-Paced Learning **BigData_Topic8_Scala-Part 2 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56916 | Self-Paced Learning **BigData_Topic8_Scala-Part 3 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56917 |
| | 25 | Project | Project | BH Training | Project | Lunch Break | Project Doubt Clarification | Project |
| 6 | 26 | BigData | BigData | Self-Paced Learning **BigData_Topic 9_Spark-Part 1 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56919 | Doubt Clarification | Lunch Break | Self-Paced Learning **BigData_Topic 9_Spark-Part 2 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56920 | Self-Paced Learning **BigData_Topic 10_Data Streaming with SPARK [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56922 |
| | 27 | | BigData | Self-Paced Learning **BigData_Topic 11_Handling Fast Data with Apache Spark SQL and Streaming [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56924 | Self-Paced Learning **Bigdata_Topic 12_Spark streaming_Practical Session _Part 1 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56926 | Lunch Break | Self-Paced Learning **Bigdata_Topic 12_Spark streaming_Practical Session _Part 2 [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56927 | Self-Paced Learning **Bigdata_Topic 13_Hadoop Solution stack** https://cognizant.tekstac.com/mod/clearn/view.php?id=56929 |
| | 28 | | BigData | BH Training | Doubt Clarification | Lunch Break | Self-Paced Learning **Bigdata_Topic 14_Hadoop Solution discussion- Real Time [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56931 | Self-Paced Learning **Bigdata_Topic 14_Hadoop Solution discussion- Real Time [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=56931 Quiz • BigData |
| | 29 | Project | Project | Project | Project | Lunch Break | Business Mentor Connect | Project |
| | 30 | | Project | BH Training | Project | Lunch Break | Project Doubt Clarification | Project |
| 7 | 31 | GCP | GCP | Self-Paced Learning **GCP TOPIC 1 GCP FUNDAMENTALS - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65097 | Doubt Clarification | Lunch Break | Hands-On Create an VM instance in GCP | Hands-On Create a VM instance in GCP |
| | 32 | | GCP | Self-Paced Learning **GCP TOPIC 1 GCP FUNDAMENTALS - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65097 | Self-Paced Learning **GCP TOPIC 2 IAM REGION ZONE - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65099 | Lunch Break | Guided Practice | Hands-On GCP Cloud Storage |
| | 33 | | GCP | BH Training | Doubt Clarification | Lunch Break | Hands-On GCP Cloud Storage | Hands-On GCP Cloud Storage |
| | 34 | | GCP | Self-Paced Learning **GCP TOPIC 2 IAM REGION ZONE - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65099 | Self-Paced Learning **GCP TOPIC 3 GCP BUCKETS & CLOUD STORAGE - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65101 | Lunch Break | Guided Practice | Hands-On Publish and receive messages in Pub/Sub using the Google Cloud console |
| | 35 | Project | Project | BH Training | Project | Lunch Break | Project Doubt Clarification | Project |
| 8 | 36 | GCP | GCP | Self-Paced Learning **GCP TOPIC 3 GCP BUCKETS & CLOUD STORAGE - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65101 | Doubt Clarification | Lunch Break | Guided Practice | Hands-On Publish and receive messages in Pub/Sub using the Google Cloud console |
| | 37 | | GCP | Self-Paced Learning **GCP TOPIC 4 BIG QUERY - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65105 | Self-Paced Learning **GCP TOPIC 4 BIG QUERY - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65105 | Lunch Break | Hands-On GCP CloudSQL | Hands-On GCP CloudSQL |
| | 38 | | GCP | BH Training | Doubt Clarification | Lunch Break | Guided Practice | Hands-On GCP CloudSQL |
| | 39 | | GCP | Self-Paced Learning **GCP TOPIC 4 BIG QUERY - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65105 | Self-Paced Learning **GCP TOPIC 5 DATAPROC - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65107 | Lunch Break | Business Mentor Connect | Hands-On GCP CloudSQL |
| | 40 | Project | Project | BH Training | Project | Lunch Break | Project Doubt Clarification | Interim Evaluation |
| 9 | 41 | GCP | GCP | Self-Paced Learning **GCP TOPIC 5 DATAPROC - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65107 | Doubt Clarification | Lunch Break | Guided Practice | Hands-On GCP BigQuery |
| | 42 | | GCP | Self-Paced Learning **GCP TOPIC 5 DATAPROC - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65107 | Self-Paced Learning **GCP TOPIC 5 CLOUD FUNCTIONS PART 1 - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65110 | Lunch Break | Hands-On GCP BigQuery | Hands-On GCP BigQuery |
| | 43 | | GCP | Self-Paced Learning **GCP TOPIC 5 CLOUD FUNCTIONS PART 1 - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65110 | Self-Paced Learning **GCP TOPIC 5 CLOUD FUNCTIONS PART 1 - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65110 | Lunch Break | Guided Practice | Hands-On GCP BigQuery |
| | 44 | | GCP | Self-Paced Learning **GCP TOPIC 6 PUB-SUB - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65112 | Doubt Clarification | Lunch Break | Hands-On GCP Dataproc | Hands-On GCP Dataproc |
| | 45 | Project | GCP | Project | Project | Lunch Break | Project Doubt Clarification | Project |
| 10 | 46 | GCP | GCP | Self-Paced Learning **GCP TOPIC 6 PUB-SUB - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65112 | Doubt Clarification | Lunch Break | Guided Practice | Hands-On GCP Dataproc |
| | 47 | | GCP | Self-Paced Learning **GCP TOPIC 6 PUB-SUB - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65112 | Self-Paced Learning **GCP TOPIC 7 DATA FLOW - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65115 | Lunch Break | Hands-On GCP Dataproc | Hands-On GCP Cloudfunction |
| | 48 | | GCP | Self-Paced Learning **GCP TOPIC 7 DATA FLOW - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65115 | Self-Paced Learning **GCP TOPIC 8 COMPOSER AND AIRFLOW - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65117 | Lunch Break | Guided Practice | Hands-On GCP Cloudfunction |
| | 49 | | GCP | Self-Paced Learning **GCP TOPIC 8 COMPOSER AND AIRFLOW - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65117 | Doubt Clarification | Lunch Break | Business Mentor Connect | Hands-On GCP Cloudfunction |
| | 50 | Project | Project | Project | Project | Lunch Break | Project Doubt Clarification | Project |
| 11 | 51 | GCP | GCP | Self-Paced Learning **GCP TOPIC 9 CLOUD SQL - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65119 | Doubt Clarification | Lunch Break | Guided Practice | Hands-On GCP Cloudfunction |
| | 52 | | GCP | Self-Paced Learning **GCP TOPIC 9 CLOUD SQL - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65119 | Self-Paced Learning **GCP TOPIC 9 CLOUD SQL - [101-BASICS]** https://cognizant.tekstac.com/mod/clearn/view.php?id=65119 | Lunch Break | Hands-On GCP Cloudfunction | Extended Hands-On CL-ICT<GCP><ATKI5581_NP><KBA<<TT> |
| | 53 | Project | Project | Project | Project | Lunch Break | Project | Project |
| | 54 | | Project | Project | Project | Lunch Break | Project Doubt Clarification | Project |
| | 55 | | Project | Project | Project | Lunch Break | Project | Project |
| | 56 | | Project | Project | Project | Lunch Break | Business Mentor Connect | Project |
| | 57 | | Project | Project | Project | Lunch Break | Project Doubt Clarification | Project |
| 12 | 58 | Final Evaluation | | Final Evaluation | | | | |
| | 59 | | | | | | | |
| | 60 | | | | | | | |