Diploma in Database Developer

A database developer is someone that develops software that works closely with a database. Most custom software development interacts with a database and, as such, technically speaking a web developer or client/server programmer can also be called a database developer.

Why does the course exists – The developer course enable candidates to be proficient in developing forms and reports.

How it fits into the larger programme – Forms and Reports development give candidates with the industrial exposure needed.

For whom it was designed – Candidates who complete the Diploma in Database Administration.

How it will benefit candidates – By being proficient in forms and reports development, candidates gain the knowledge needed in the industrial world.

Subjects:
- Programming the Web using HTML & XML
- Oracle Forms
- Oracle Reports
- Oracle Designer
- Oracle JDeveloper

Programming the Web using HTML & XML -

Oracle Forms - an application development tool for building client-server database applications. Three components are employed while building application for Oracle: (i) Oracle Form Designer (ii) Oracle Forms Generate (iii) Oracle Forms Runform.

Oracle Reports - Oracle Reports is a tool for developing reports against data stored in an Oracle database. It is a production reporting tool to dynamically retrieve, format and distribute database information.

Oracle Designer - Oracle Designer (previously called Designer/2000 and Oracle Case) is Oracle's CASE modelling tool, used for capturing and presenting business requirements. It incorporates support for system analysis, software design, automatic code generation and business process re-engineering. It is an integrated Computer-Aided Software Engineering (CASE) tool that encompasses the full development life cycle from business process re-engineering to implementation and maintenance of a system.

Oracle Designer can (i) Create and maintain a central repository of data collected during the development life cycle. (ii) Guide the development team through the required life cycle steps, ensuring the capture of customer data. (iii) Display requirements and processes in easy-to-

understand diagrams, matrices, and logical and physical data models. (iv) Generate code from the data collected to create Oracle Developer and Web forms.

Oracle JDeveloper - JDeveloper is a freeware IDE supplied by Oracle Corporation. It offers features for development in Java, XML, SQL and PL/SQL, HTML, JavaScript, BPEL and PHP. JDeveloper covers the full development lifecycle from design through coding, debugging, optimization and profiling to deploying. Oracle JDeveloper is a free integrated development environment that simplifies the development of Java-based SOA and Java EE applications. JDeveloper offers complete end-to-end development to Oracle Fusion Middleware and Oracle Fusion Applications with support for the full development life cycle.