अखिल भारतीय सूचना प्रौद्योगिकी संगठन
All India Information Technology Association
New Delhi
WORK RELATED TO MINISTRY OF INFORMATION TECHNOLOGY (GOVT. OF INDIA)

DIPLOMA IN INTERNET APPLICATION & E-COMMERCE

Eligibility : 10th   **Duration :** 1 Year
Course Code : DP-06

Oracle-SQL

Oracle Product details , Different data base model , RDBMS components –Kernel , Data dictionary , client /server computing and oracle , Overview of oracle architecture –oracle files , system and user process , Oracle memory , system data base object , protecting data.
Oracle data type , working with tables , data Constraints , column level & table level constraints , defining different constraints on the table defining integrity constraints in the ALTER TABLE command , Select Command , logical operator , Range Searching , Pattern Matching , Oracle Function , Grouping data from table in SQL , Manipulation Data in SQL Joining Multiple Tables(Equi joins) , Joining a Table to self (Self joins) , Sub queries Union , intersect & Minus clause , creating view Renaming the column of a view , granting permissions –updating , Selection , Destroying view.

Microsoft SQL Server

Exploring Transact-SQL , An Overview of SQL Server and Transact-SQL , Programming in Transact-SQL , Querying Data , Using the SELECT Statement , Formatting the Results Set , Changing Data Through Queries , Inserting Data , Deleting Data , Updating Data , Summarizing Data , Working with Aggregate Functions , Grouping Data , Joining Tables , Querying Multiple Tables , Implementing Advanced Table Joins , Implementing Sub queries , Designing Sub queries , Working with Full-Text Indexes , Implementing the Microsoft Search Service , Querying Full-Text Indexes , Programming Transact-SQL , Creating and Managing Views , Implementing Stored Procedures, Triggers, and User-Defined Functions

PHP & My SQL

Introduction to PHP , What is PHP? , Basic Syntax of PHP , Common PHP Script Elements , Using Variables , Working With Arrays , Using Functions , File and Directory Handling , Including Files , File Access , Working With Forms , Processing Forms , Form Validation , Emailing Form Data , Addressing the Stateless Nature of HTTP , Hidden Form Fields , Cookies , Sessions , Accessing Databases With PHP , Interacting With Databases , Modifying Database Records Using PHP , My SQL
Introduction To Database , Relational and Non Relational Database , Using client programs to access a MySQL database , Creating, altering and dropping a MySQL database , Writing SQL statements to select data from a MySQL database , Writing joins

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and sub queries , Using SQL expressions , Using SQL aggregate functions and scalar functions , Inserting, updating, deleting and replacing rows , Creating and altering tables, indexes and views , Using transactions , Granting and revoking access privileges on tables and views , Exporting and importing data

HTML overview
Installing Apache, PHP, and MySQL
PHP Basic Constructs :-- Variables and data types , Expressions and operators , Conditional statements , Iteration statements , Functions , Arrays and Objects
Forms
Cookies and Sessions
Files and Directories
Interacting with MySQL using PHP

JDK , JavaBeans , JDBC

Introduction To Core Java , Data Types and Variables , Operator and Expressions , Control Flow Statements , Methods , Object Oriented Programming , Object and Classes , Using Java Objects , Inheritance in Java , Packages , Exception Handling , Input/Output streams , Introduction To Threads , Interface and Abstract Classes , Serialization.

Java Servlet

Introduction to Web Programming , Introduction to servlet , Servlet life cycle , Developing and Deploying Servlets , Exploring Deployment Descriptor (web.xml) , Handling Request and Response , Initializing a Servlet , Processing Form Data , Storing User data , Servlet Chaining , Session Tracking & Management , Dealing with cookies , Transferring Request , Event Listener , Creating war files

JSP

Introduction To Tomcat , Intro to JSP , Scripting Elements , JSP Page Directive Project , Files in JSP, Using JavaBeans , Custom JSP Tags , Advanced JSP Tags , Integrating Servlets and JSP , Scripting Variables , Expression Language , JSTL , Apache Struts
ASP.NET
Web Architecture :-- The Way the Web works , The Asp.net difference , Client-Side Processing , How Asp.net Ties It Together
Setting up and Installing ASP.NET :-- Installing Internet Information Server , IIS Manager , Creating virtual/home directory , Folder Settings , Adding a virtual directory to your neighborhood , Installing .Net Framework SDK

Overview of the ASP.NET Framework :-- Asp.net and the .NET Framework , Common Language Runtime , .Net Framework Class Library , Understanding Namespaces , The Structure of asp.net Page , Directives , Code Declaration Blocks , Code Render Block , C# fundamentals

Using the Standard Controls :-- Displaying information , Label Controls , Literal Controls , Accepting User Input , Textbox controls , RadioButton And RadioButtonList Controls , CheckBox And CheckBoxList Controls , Submitting Form Data , Button controls , LinkButton Control , ImageButton Control , Displaying Images , Image Control , Using Panel Control , Using Hyperlink Control

Using the Validation Controls :-- RequiredFieldValidator Control , RegularExpressionValidator Control , CompareFieldValidator Control , RangeValidator Control , ValidationSummary Control , CustomValidator Control , Disabling Validation , Creating a LengthValidator Control , Creating a AjaxValidator Control

Using the Rich Controls :-- Accepting File Uploads , Saving files to file system , Saving files to database , Uploading Large files , Displaying a calendar , Creating a popup date picker , Rendering a calendar from a database table , Displaying advertisements , Storing advertisements in XML files , Storing advertisements in database tables

Designing Websites with master pages :-- Creating master pages , Creating default contents , Nesting master pages , Using images and hyperlinks in master pages , Registering master pages in web configuration

Overview of Data Access :-- Using DataBound Controls , Working with List Controls , Working with tabular DataBound Controls , Working with Hierarchical DataBound Controlsu , Working with other Controls , Using Data Source Controls , Using ASP.NET parameters with data source controls , Using programmatic DataBinding , Understanding Templates and Databinding Expressions , Using templates , Using DataBinding Expressions , Using 2 way DataBinding Expression

Using SQLDataSource Control :-- Creating database connections , Connecting to MSSQL Server , Connecting to ORACLE and MS Access , Storing connection String in web configuration file , Executing Database Commands , Executing inline SQL Statements , Executing Stored Procedures , Filtering database rows , Changing the datasource mode , Handling SQL Command execution errors , Executing Insert , Update and Delete commands , Executing select commands

Using List Controls :-- Overview of the List Controls , Declaring List Items , Binding to a Data Source , Determining the selected List Item , Appending data items , Enabling automatic post backs , Using the Items Collection , Working with the DropDownList control , Working with the RadioButtonList control , Working with the ListBox control , Working with the CheckBoxList control , Working with BulletedList control , Summary

Using the GridView Control :-- GridView Control fundamentals , Displaying Data , Selecting Data , Using Data Keys , Sorting Data , Paging through Data , Editing Data , Displaying Empty Data , Formatting the GridView Control

Using Repeater Controls :-- Using Repeater Control , Displaying data with the Repeater Control , Using Templates with the Repeater Control

Using the Login Control :-- Overview of Login Controls , Using Login Controls , Automatically Redirecting a user to the Referring Page , Automatically Hiding the Login Control from Authinticated Users , Authenticated Users , Using a Template with Login Control

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