NODE JS

**SET-1**

**Q1: Develop a bookstore using HTML and CSS for Home page, Contact page, About page**

**Home.html**

<!DOCTYPE html>

<html>

<head>

<title>Bookstore - Home</title>

<style>

body { font-family: Arial; background: #f5f5f5; }

header { background: #333; color: white; padding: 10px; text-align: center; }

</style>

</head>

<body>

<header><h1>Welcome to the Bookstore</h1></header>

</body>

</html>

**Contact.html**

<!DOCTYPE html>

<html>

<head>

<title>Contact Us</title>

<style>

body { font-family: Arial; }

form { margin: 20px; }

</style>

</head>

<body>

<h2>Contact Us</h2>

<form>

<input type="text" placeholder="Your Name"><br>

<input type="email" placeholder="Your Email"><br>

<textarea placeholder="Message"></textarea><br>

<input type="submit">

</form>

</body>

</html>

**About.html**

<!DOCTYPE html>

<html>

<head>

<title>About Us</title>

<style>

body { font-family: Arial; padding: 20px; }

</style>

</head>

<body>

<h2>About Our Bookstore</h2>

<p>We sell a wide variety of books online.</p>

</body>

</html>

**Q2: Develop a Login page using Bootstrap**

**Login.html**

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<div class="container mt-5">

<h2 class="text-center">Login</h2>

<form>

<div class="form-group">

<label>Username</label>

<input type="text" class="form-control">

</div>

<div class="form-group">

<label>Password</label>

<input type="password" class="form-control">

</div>

<button class="btn btn-primary btn-block">Login</button>

</form>

</div>

</body>

</html>

**SET-2**

**Q1: Develop a bookstore using HTML and CSS for Login and Cart page**

**Login.html**

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

<style>

body { font-family: Arial; }

form { margin: 50px; }

</style>

</head>

<body>

<h2>Login</h2>

<form>

<input type="text" placeholder="Username"><br>

<input type="password" placeholder="Password"><br>

<input type="submit">

</form>

</body>

</html>

**Cart.html**

<!DOCTYPE html>

<html>

<head>

<title>Cart</title>

<style>

table { width: 100%; border-collapse: collapse; }

th, td { border: 1px solid #000; padding: 8px; }

</style>

</head>

<body>

<h2>Your Cart</h2>

<table>

<tr><th>Book</th><th>Price</th></tr>

<tr><td>Book A</td><td>$10</td></tr>

</table>

</body>

</html>

**Q2: Develop a Registration page using JS**

**Register.html**

<!DOCTYPE html>

<html>

<head>

<title>Register</title>

<script>

function validateForm() {

var name = document.forms["regForm"]["username"].value;

if (name == "") {

alert("Username must be filled out");

return false;

}

}

</script>

</head>

<body>

<h2>Registration</h2>

<form name="regForm" onsubmit="return validateForm()">

<input type="text" name="username" placeholder="Username"><br>

<input type="password" name="password" placeholder="Password"><br>

<input type="submit">

</form>

</body>

</html>

**SET-3**

**Q1: Develop a bookstore using HTML for Contact page**

**Contact.html**

<!DOCTYPE html>

<html>

<head><title>Contact</title></head>

<body>

<h2>Contact Us</h2>

<form>

<input type="text" placeholder="Name"><br>

<input type="email" placeholder="Email"><br>

<textarea placeholder="Your message"></textarea><br>

<input type="submit">

</form>

</body>

</html>

**Q2: Develop a nodejs Program for HelloWorld**

**hello.js**

const http = require('http');

const server = http.createServer((req, res) => {

res.writeHead(200, {'Content-Type': 'text/plain'});

res.end('Hello World');

});

server.listen(3000);

**SET-4**

**Q1: Develop a Server using Django**

django-admin startproject bookstore

cd bookstore

python manage.py startapp store

python manage.py runserver

**Q2: Develop a XML Page and Validate with XSD**

**book.xml**

<book>

<title>Book Title</title>

<author>Author Name</author>

</book>

**book.xsd**

xml

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<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="book">

<xs:complexType>

<xs:sequence>

<xs:element name="title" type="xs:string"/>

<xs:element name="author" type="xs:string"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

**SET-5**

**Q1: Develop a Registration page using React**

**App.js**

import React from 'react';

function App() {

return (

<form>

<input type="text" placeholder="Name" /><br />

<input type="text" placeholder="Username" /><br />

<input type="password" placeholder="Password" /><br />

<input type="email" placeholder="Email" /><br />

<button>Register</button>

</form>

);

}

export default App;

**Q2: Develop a database and table using MYSQL**

CREATE DATABASE bookstore;

USE bookstore;

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(50),

username VARCHAR(50),

password VARCHAR(50),

email VARCHAR(100)

);

**SET-6**

**Q1: Develop a Curd Operation using PYTHON**

books = []

def add\_book(name):

books.append(name)

def read\_books():

return books

def update\_book(index, name):

books[index] = name

def delete\_book(index):

books.pop(index)

**Q2: Develop a login page using HTML, CSS and XAMPP**

**login.html**

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

<style>

body { font-family: Arial; }

</style>

</head>

<body>

<form method="post" action="login.php">

<input type="text" name="username"><br>

<input type="password" name="password"><br>

<input type="submit">

</form>

</body>

</html>

**SET-7**

**Q1: Develop a table insert, update, delete data using MySQL**

sql

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CREATE TABLE books (id INT PRIMARY KEY, title VARCHAR(50));

INSERT INTO books VALUES (1, 'Book1');

UPDATE books SET title='Updated Book' WHERE id=1;

DELETE FROM books WHERE id=1;

**Q2: Develop an animation using CSS**

<!DOCTYPE html>

<html>

<head>

<style>

div {

width: 100px;

height: 100px;

background: red;

animation: move 2s infinite;

}

@keyframes move {

0% {transform: translateX(0);}

50% {transform: translateX(100px);}

100% {transform: translateX(0);}

}

</style>

</head>

<body>

<div></div>

</body>

</html>

**SET-8**

**Q1: Develop a Login page using internal CSS**

<!DOCTYPE html>

<html>

<head>

<style>

form { margin: 50px; }

</style>

</head>

<body>

<form>

<input type="text" placeholder="Username"><br>

<input type="password" placeholder="Password"><br>

<input type="submit">

</form>

</body>

</html>

**Q2: Develop a Registration page using External CSS**

**register.html**

<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" href="style.css">

</head>

<body>

<form>

<input type="text" placeholder="Name"><br>

<input type="text" placeholder="Email"><br>

<input type="submit">

</form>

</body>

</html>

**style.css**

form {

margin: 40px;

padding: 20px;

background: #eee;

}

**SET-9**

**Q1: Develop a Class Time Table using Table tags**

<!DOCTYPE html>

<html>

<body>

<table border="1">

<tr><th>Day</th><th>Subject</th></tr>

<tr><td>Monday</td><td>Math</td></tr>

<tr><td>Tuesday</td><td>Science</td></tr>

</table>

</body>

</html>

**Q2: Develop a Login page using HTML and React JS**

**App.js**

import React from 'react';

function App() {

return (

<form>

<input type="text" placeholder="Username" /><br />

<input type="password" placeholder="Password" /><br />

<button>Login</button>

</form>

);

}

export default App;

**SET-10**

**Q1: Develop a HTML Page using href, img src, textbuttons**

html

<!DOCTYPE html>

<html>

<body>

<a href="https://example.com">Visit</a><br>

<img src="image.jpg" width="100"><br>

<button>Click Me</button>

</body>

</html>

**Q2: Develop a HTML Page using UL, OL, B, I, U**

html

<!DOCTYPE html>

<html>

<body>

<ul><li>Apple</li><li>Banana</li></ul>

<ol><li>One</li><li>Two</li></ol>

<p><b>Bold</b> <i>Italic</i> <u>Underline</u></p>

</body>

</html>