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ASSINGMENT – 1

Create one form with input and apply css for that.

```
<!DOCTYPE html>
<html>
<style>
input[type=text], select {
  width: 100%;
  padding: 12px 20px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #0c0909;
  border-radius: 4px;
  box-sizing: border-box;
}

input[type=number], select {
  width: 100%;
  padding: 12px 20px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #0a0909;
  border-radius: 4px;
  box-sizing: border-box;
}

input[type=submit] {
  width: 100%;
  background-color: #6c5de2;
  color: white;
  padding: 14px 20px;
  margin: 8px 0;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}
```

```

input[type=submit]:hover {
  background-color: #261bc4;
}

div {
  border-radius: 5px;
  background-color: #f9f6f6;
  padding: 20px;
}
</style>
<body>

<h3 style = "text-align:center;">Details</h3>

<div>
  <form action="/action_page.php">
    <label for="fname">Name</label>
    <input type="text" id="fname" name="firstname"
placeholder="Your name..">

    <label for="lname">Surname</label>
    <input type="text" id="lname" name="lastname"
placeholder="Your last name..">

    <p>
      <label for="dob">Date of Birth</label>
      <input type="date" id="dob" name="DOB">
    </p>
    <p>
      <label for="phnum">Mobile No</label>
      <input type="tel" id="phone" name="phone"
placeholder="e.g. +91 123456789" value="+91 ">
    </p>

    <label for="designation"
placeholder="Select">Education</label>
    <select id="designation" name="designation">
      <option value="none">None</option>

```

```

        <option value="ug">UG</option>
        <option value="pg">PG</option>
        <option value="diploma">Diploma</option>
        <option value="Masters">Masters</option>
    </select>

    <label for="country">Country</label>
    <select id="country" name="country">
        <option value="none">None</option>
        <option value="india">India</option>
        <option value="singapore">Singapore</option>
        <option value="usa">USA</option>
        <option value="dubai">Dubai</option>
        <option value="korea">Korea</option>
    </select>

    <input type="submit" value="Submit">
    <footer style ="text-align:center;">All copyrights
reserved to Dhanush.K</footer>

</form>
</div>
</body>
</html>

```

Details

Name

Surname

Date of Birth

Mobile No

Education

Country

All copyrights reserved to Dhanush.K

ASSINGMENT – 2

1) Create update, delete commands in my sql?

Code:

Update command:

```
-- create a table
CREATE TABLE students ( id
INTEGER PRIMARY KEY, name
VARCHAR(30) NOT NULL,
gender CHAR(1) NOT NULL
);
-- insert some values
INSERT INTO students VALUES (1, 'Ryan', 'M');
INSERT INTO students VALUES (2, 'Joanna', 'F');
-- fetch some values
UPDATE students
SET name = 'sujan'
WHERE id = 1;
SELECT * FROM students;
```

Output:

Before updating

id	name	gender
1	Ryan	M
2	Joanna	F

[Execution complete with exit code 0]

After updating:

id	name	gender
1	sujan	M
2	Joanna	F

[Execution complete with exit code 0]

Delete commands:

```
-- create a table
CREATE TABLE students ( id
```

```
INTEGER PRIMARY KEY, name
VARCHAR(30) NOT NULL,
gender CHAR(1) NOT NULL
);
-- insert some values
INSERT INTO students VALUES (1, 'Ryan', 'M');
INSERT INTO students VALUES (2, 'Joanna', 'F');
-- fetch some values
DELETE FROM students
WHERE id = 2;
SELECT * FROM students;
```

Output:

Before deleting

id	name	gender
1	sujan	M
2	Joanna	F

[Execution complete with exit code 0]

After deleting

id	name	gender
1	Ryan	M

[Execution complete with exit code 0]

2) Create a table and perform joins in mySql

Inserting data:

Code:

```
CREATE TABLE customers ( id
INT PRIMARY KEY, name
VARCHAR(50), email VARCHAR(50)
);
```

```
CREATE TABLE orders ( id
INT PRIMARY KEY,
order_date DATE,
customer_id INT,
FOREIGN KEY (customer_id) REFERENCES customers(id)
);
INSERT INTO customers (id, name, email)
VALUES (1, 'Sujan', 'sujan@example.com');

INSERT INTO customers (id, name, email)
VALUES (2, 'Rupa', 'rupa@example.com');

INSERT INTO customers (id, name, email)
VALUES (3, 'Shankar', 'shankar@example.com');

INSERT INTO customers (id, name, email)
VALUES (4, 'Dhanush', 'dhanush@example.com');

INSERT INTO customers (id, name, email)
VALUES (5, 'Nithin', 'nithin@example.com');

INSERT INTO orders (id, order_date, customer_id)
VALUES (101, '2023-05-01', 1);

INSERT INTO orders (id, order_date, customer_id)
VALUES (102, '2023-05-02', 1);

INSERT INTO orders (id, order_date, customer_id)
VALUES (103, '2023-05-03', 2);

INSERT INTO orders (id, order_date, customer_id)
VALUES (104, '2023-05-04', 3);

INSERT INTO orders (id, order_date, customer_id)
VALUES (105, '2023-05-05', 4);

INSERT INTO orders (id, order_date, customer_id)
VALUES (106, '2023-05-10', 4);

INSERT INTO orders (id, order_date, customer_id)
VALUES (107, '2023-05-05', 5);
```

```
select * from customers;  
select * from orders;
```

id	name	email
1	Sujan	sujan@example.com
2	Rupa	rupa@example.com
3	Shankar	shankar@example.com
4	Dhanush	dhanush@example.com
5	Nithin	nithin@example.com

id	order_date	customer_id
101	2023-05-01	1
102	2023-05-02	1
103	2023-05-03	2
104	2023-05-04	3
105	2023-05-05	4
106	2023-05-10	4
107	2023-05-05	5

Performing joins:

Code:

```
SELECT customers.name, orders.order_date  
FROM customers  
INNER JOIN orders ON customers.id = orders.customer_id;
```

Output:

name	order_date
Sujan	2023-05-01
Sujan	2023-05-02
Rupa	2023-05-03
Shankar	2023-05-04
Dhanush	2023-05-05
Dhanush	2023-05-10
Nithin	2023-05-05

[Execution complete with exit code 0]

3) Create update, delete commands in mongodb?

Update command:

Code:

```
db.students.insertMany([
  { id: 1, name: 'Ryan', gender: 'M' },
  { id: 2, name: 'Joanna', gender: 'F' }
]);
db.students.find({ gender: 'F' });
db.students.updateOne(
  { id: 1 },
  { $set: { name: "Ryan Smith", gender: "M" } }
);
```


Output

```
mycompiler_mongodb> ... .. {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6473579aa5217a413cb2340c"),
    '1': ObjectId("6473579aa5217a413cb2340d")
  }
}
mycompiler_mongodb> [
  {
    _id: ObjectId("6473579aa5217a413cb2340d"),
    id: 2,
    name: 'Joanna',
    gender: 'F'
  }
]
mycompiler_mongodb> ... .. {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
mycompiler_mongodb>
```

After updating

```
mycompiler_mongodb> [
  {
    _id: ObjectId("647358540fb9148257bd6b6e"),
    id: 1,
    name: 'sujan chowdary',
    gender: 'M'
  },
  {
    _id: ObjectId("647358540fb9148257bd6b6f"),
    id: 2,
    name: 'Joanna',
    gender: 'F'
  }
]
```

Deleting commands:

Code: db.students.deleteOne({
id: 2 }); db.students.find()

After deleting:

```
mycompiler_mongodb> { acknowledged: true, deletedCount: 1 }
mycompiler_mongodb> [
  {
    _id: ObjectId("647358de792c30f523157d69"),
    id: 1,
    name: 'sujan chowdary',
    gender: 'M'
  }
]
mycompiler_mongodb>
```