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IV -

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ELEC 5 – Group Activity

Scenario: DEVENIANS - Motor Vehicle Plate Number Coding Detector

Output #1:

Motor Vehicle Plate Number Coding Detector

Vehicle Type:

Plate Number:

Day:

Time (HHMM format):

City:

Check Coding Status

Motor Vehicle Honda CRV with Plate No. DKM 1377 is CODING today in Pasig.

O u t p u t # 2 :

Motor Vehicle Plate Number Coding Detector

Vehicle Type:

Toyota Camry

Plate Number:

UAP 2851

Day:

Monday

Time (HHMM format):

1400

City:

Makati

Check Coding Status

Motor Vehicle Toyota Camry with Plate No. UAP 2851 is CODING today in Makati.

Output #3:

Motor Vehicle Plate Number Coding Detector

Vehicle Type:

Plate Number:

Day:

Time (HHMM format):

City:

Check Coding Status

Motor Vehicle Honda Bravo Motorcycle with Plate No. DA 93600 is EXEMPTED from the coding scheme in Pasay.

Source Code:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Motor Vehicle Plate Coding Checker</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }

    .container {
      background-color: white;
      padding: 20px;
```

```
    border-radius: 8px;
    box-shadow: 0px 0px 15px rgba(0, 0, 0, 0.1);
    max-width: 400px;
    width: 100%;
    text-align: center;
}

h1 {
    font-size: 1.5em;
    margin-bottom: 20px;
    color: #333;
}

form {
    display: flex;
    flex-direction: column;
    gap: 15px;
}

label {
    font-size: 1em;
    color: #333;
}

input[type="text"] {
    padding: 10px;
    font-size: 1em;
    border: 1px solid #ccc;
    border-radius: 4px;
    width: 95%;
}

input[type="submit"] {
    padding: 10px;
    font-size: 1em;
    background-color: #28a745;
    color: white;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}

input[type="submit"]:hover {
    background-color: #218838;
}
```

```
.result {
    margin-top: 20px;
    padding: 15px;
    border-radius: 4px;
    color: white;
}

.coding {
    background-color: #dc3545;
}

.not-coding {
    background-color: #28a745;
}

.exempted {
    background-color: #007bff;
}

</style>
</head>

<body>
    <div class="container">
        <h1>Motor Vehicle Plate Number Coding Detector</h1>

        <form action="" method="POST">
            <label for="vehicleType">Vehicle Type:</label>
            <input type="text" id="vehicleType" name="vehicleType" required>

            <label for="plateNumber">Plate Number:</label>
            <input type="text" id="plateNumber" name="plateNumber" required>

            <label for="day">Day:</label>
            <input type="text" id="day" name="day" required>

            <label for="time">Time (HHMM format):</label>
            <input type="text" id="time" name="time" required>

            <label for="city">City:</label>
            <input type="text" id="city" name="city" required>

            <input type="submit" value="Check Coding Status">
        </form>
    </div>
</body>
</html>
```

```

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $vehicleType = $_POST['vehicleType'];
    $plateNumber = $_POST['plateNumber'];
    $day = strtolower($_POST['day']);
    $time = intval($_POST['time']);
    $city = $_POST['city'];

    $lastDigit = intval(substr($plateNumber, -1));

    $codingDays = [
        1 => "monday",
        2 => "monday",
        3 => "tuesday",
        4 => "tuesday",
        5 => "wednesday",
        6 => "wednesday",
        7 => "thursday",
        8 => "thursday",
        9 => "friday",
        0 => "friday"
    ];

    $codingStart = 1000;
    $codingEnd = 1659;
    if (stripos($vehicleType, "motorcycle") !== false) {
        echo "<div class='result exempted'>Motor Vehicle $vehicleType
with Plate No. $plateNumber is EXEMPTED from the coding scheme in $city.</div>";
    } else {
        if (isset($codingDays[$lastDigit]) && $codingDays[$lastDigit] ==
$day && $time >= $codingStart && $time <= $codingEnd) {
            echo "<div class='result coding'>Motor Vehicle $vehicleType
with Plate No. $plateNumber is CODING today in $city.</div>";
        } else {
            echo "<div class='result not-coding'>Motor Vehicle
$vehicleType with Plate No. $plateNumber is NOT CODING in $city.</div>";
        }
    }
}
?>
</div>
</body>

</html>

```