

# CSE 3002

INTERNET & WEB PROGRAMMING



## Lab Activity 9

L29+L30 | PLB117A

FALL SEMESTER 2021-22

by

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**Question**

## Activity - 9

[Mark as done](#)

Consider the Activity 8 problem statement. Prepare the PHP programs to consume the JSON data (as similar as XML) and display it to on the screen in table format.

**Solution****MedStock.json**

```
[
  {
    "Med_name": "Paracetamol",
    "Med_stock": 30,
    "Med_price": 70,
    "Med_type": "Tablet",
    "Med_expiry": "21/3/2023",
    "Med_manufacturer": "Lilly"
  },
  {
    "Med_name": "Benadryl",
    "Med_stock": 28,
    "Med_price": 90,
    "Med_type": "Syrup",
    "Med_expiry": "11/2/2024",
    "Med_manufacturer": "J&J"
  },
  {
    "Med_name": "Adderall",
    "Med_stock": 22,
    "Med_price": 85,
    "Med_type": "Capsule",
    "Med_expiry": "15/12/2022",
    "Med_manufacturer": "Teva"
  },
  {
    "Med_name": "Atacand",
```

```
    "Med_stock": 25,
    "Med_price": 95,
    "Med_type": "Tablet",
    "Med_expiry": "11/10/2022",
    "Med_manufacturer": "AstraZeneca"
  },
  {
    "Med_name": "Priscoline",
    "Med_stock": 15,
    "Med_price": 40,
    "Med_type": "Capsule",
    "Med_expiry": "16/9/2023",
    "Med_manufacturer": "Novartis"
  },
  {
    "Med_name": "Zetia",
    "Med_stock": 50,
    "Med_price": 65,
    "Med_type": "Tablet",
    "Med_expiry": "28/12/2022",
    "Med_manufacturer": "Merck&Co"
  },
  {
    "Med_name": "Brevital",
    "Med_stock": 15,
    "Med_price": 95,
    "Med_type": "Capsule",
    "Med_expiry": "25/11/2023",
    "Med_manufacturer": "ParPharma"
  },
  {
    "Med_name": "Cidex",
    "Med_stock": 88,
    "Med_price": 215,
    "Med_type": "Syrup",
    "Med_expiry": "8/5/2023",
    "Med_manufacturer": "Ethicon"
  },
  {
    "Med_name": "Lodine",
    "Med_stock": 35,
    "Med_price": 70,
    "Med_type": "Capsule",
    "Med_expiry": "19/12/2021",
```

```
    "Med_manufacturer": "Almirall"
  },
  {
    "Med_name": "Dioval",
    "Med_stock": 40,
    "Med_price": 20,
    "Med_type": "Tablet",
    "Med_expiry": "21/10/2022",
    "Med_manufacturer": "Wallace"
  },
  {
    "Med_name": "Dopamine",
    "Med_stock": 15,
    "Med_price": 85,
    "Med_type": "Capsule",
    "Med_expiry": "14/3/2023",
    "Med_manufacturer": "Hospira"
  },
  {
    "Med_name": "Paxil",
    "Med_stock": 100,
    "Med_price": 29,
    "Med_type": "Pill",
    "Med_expiry": "10/3/2022",
    "Med_manufacturer": "GlaxoSmithKline"
  },
  {
    "Med_name": "Levbid",
    "Med_stock": 70,
    "Med_price": 45,
    "Med_type": "Capsule",
    "Med_expiry": "3/12/2022",
    "Med_manufacturer": "Medaxis"
  },
  {
    "Med_name": "Xanax",
    "Med_stock": 32,
    "Med_price": 95,
    "Med_type": "Syrup",
    "Med_expiry": "19/9/2022",
    "Med_manufacturer": "Pfizer"
  },
  {
    "Med_name": "Vexol",
```

```
    "Med_stock": 35,
    "Med_price": 180,
    "Med_type": "Syrup",
    "Med_expiry": "30/4/2022",
    "Med_manufacturer": "Alcon"
  },
  {
    "Med_name": "Evista",
    "Med_stock": 45,
    "Med_price": 120,
    "Med_type": "Tablet",
    "Med_expiry": "14/6/2022",
    "Med_manufacturer": "EliLilly&Co"
  },
  {
    "Med_name": "Amaryl",
    "Med_stock": 15,
    "Med_price": 195,
    "Med_type": "Tablet",
    "Med_expiry": "31/8/2023",
    "Med_manufacturer": "Hoechst"
  },
  {
    "Med_name": "Roxanol",
    "Med_stock": 135,
    "Med_price": 65,
    "Med_type": "Capsule",
    "Med_expiry": "7/12/2022",
    "Med_manufacturer": "XanodynePharma"
  },
  {
    "Med_name": "Zovirax",
    "Med_stock": 80,
    "Med_price": 240,
    "Med_type": "Syrup",
    "Med_expiry": "31/2/2024",
    "Med_manufacturer": "GlaxoSmithKline"
  }
]
```

```

1  [
2    {
3      "Med_name": "Paracetamol",
4      "Med_stock": 30,
5      "Med_price": 70,
6      "Med_type": "Tablet",
7      "Med_expiry": "21/3/2023",
8      "Med_manufacturer": "Lilly"
9    },
10   {
11     "Med_name": "Benadryl",
12     "Med_stock": 28,
13     "Med_price": 90,
14     "Med_type": "Syrup",
15     "Med_expiry": "11/2/2024",
16     "Med_manufacturer": "J&J"
17   },
18   {
19     "Med_name": "Adderall",
20     "Med_stock": 22,
21     "Med_price": 85,
22     "Med_type": "Capsule",
23     "Med_expiry": "15/12/2022",
24     "Med_manufacturer": "Teva"
25   },
26   {
27     "Med_name": "Atacand",
28     "Med_stock": 25,
29     "Med_price": 95,
30     "Med_type": "Tablet",
31     "Med_expiry": "11/10/2022",
32     "Med_manufacturer": "AstraZeneca"
33   },
34 ]

```

## MedBilling.json

```

[
  {
    "Order_ID": 1,
    "Medicinal_Items": "Benadryl - 1, Adderall - 2, Paracetamol - 3",
    "Total_Cost": 450
  },
  {
    "Order_ID": 2,
    "Medicinal_Items": "Paracetamol - 5, Atacand - 3",
    "Total_Cost": 635
  },
  {
    "Order_ID": 3,
    "Medicinal_Items": "Brevital - 2, Zetia - 4",
    "Total_Cost": 450
  },
  {
    "Order_ID": 4,

```

```
    "Medicinal_Items": "Cidex - 4, Priscoline - 2, Lodine - 3",
    "Total_Cost": 1165
  },
  {
    "Order_ID": 5,
    "Medicinal_Items": "Levbid - 3, Dopamine - 2, Dioval - 1, Paracetamol
- 4",
    "Total_Cost": 605
  },
  {
    "Order_ID": 6,
    "Medicinal_Items": "Xanax - 3",
    "Total_Cost": 285
  },
  {
    "Order_ID": 7,
    "Medicinal_Items": "Cidex - 1, Lodine - 5",
    "Total_Cost": 590
  },
  {
    "Order_ID": 8,
    "Medicinal_Items": "Levbid - 1, Zetia - 5, Paxil - 2",
    "Total_Cost": 428
  },
  {
    "Order_ID": 9,
    "Medicinal_Items": "Zetia - 2, Vexol - 4, Priscoline - 3",
    "Total_Cost": 970
  },
  {
    "Order_ID": 10,
    "Medicinal_Items": "Brevital - 7",
    "Total_Cost": 665
  },
  {
    "Order_ID": 11,
    "Medicinal_Items": "Xanax - 4, Benadryl - 4",
    "Total_Cost": 740
  },
  {
    "Order_ID": 12,
    "Medicinal_Items": "Vexol - 4, Cidex - 1, Paracetamol - 3",
    "Total_Cost": 1145
  },
}
```

```
{
  "Order_ID": 13,
  "Medicinal_Items": "Zetia - 3, Lodine - 1",
  "Total_Cost": 270
},
{
  "Order_ID": 14,
  "Medicinal_Items": "Benadryl - 2, Atacand - 10",
  "Total_Cost": 1130
},
{
  "Order_ID": 15,
  "Medicinal_Items": "Paxil - 3, Levbid - 8, Zetia - 6, Cidex - 1",
  "Total_Cost": 1052
},
{
  "Order_ID": 16,
  "Medicinal_Items": "Roxanol - 5",
  "Total_Cost": 325
},
{
  "Order_ID": 17,
  "Medicinal_Items": "Amaryl - 2, Xanax - 4, Evista - 3",
  "Total_Cost": 1130
},
{
  "Order_ID": 18,
  "Medicinal_Items": "Vexol - 6, Benadryl - 1",
  "Total_Cost": 1170
},
{
  "Order_ID": 19,
  "Medicinal_Items": "Zovirax - 3, Paxil - 2, Liodine - 1",
  "Total_Cost": 853
}
]
```



```
1  [
2  {
3      "Order_ID": 1,
4      "Medicinal_Items": "Benadryl - 1, Adderall - 2, Paracetamol - 3",
5      "Total_Cost": 450
6  },
7  {
8      "Order_ID": 2,
9      "Medicinal_Items": "Paracetamol - 5, Atacand - 3",
10     "Total_Cost": 635
11  },
12  {
13     "Order_ID": 3,
14     "Medicinal_Items": "Brevital - 2, Zetia - 4",
15     "Total_Cost": 450
16  },
17  {
18     "Order_ID": 4,
19     "Medicinal_Items": "Cidex - 4, Priscoline - 2, Lodine - 3",
20     "Total_Cost": 1165
21  },
22  {
23     "Order_ID": 5,
24     "Medicinal_Items": "Levbid - 3, Dopamine - 2, Dioval - 1, Paracetamol - 4",
25     "Total_Cost": 605
26  },
27  {
28     "Order_ID": 6,
29     "Medicinal_Items": "Xanax - 3",
30     "Total_Cost": 285
31  },
32  {
33     "Order_ID": 7,
```

## MedSales.json

```
[
  {
    "Sale_Date": "1/11/2021",
    "Total_Sale": 9,
    "Medicinal_Items_Sold": 35,
    "Revenue_Garnered": 6700
  },
  {
    "Sale_Date": "2/11/2021",
    "Total_Sale": 14,
    "Medicinal_Items_Sold": 55,
    "Revenue_Garnered": 12000
  },
  {
    "Sale_Date": "3/11/2021",
    "Total_Sale": 5,
    "Medicinal_Items_Sold": 18,
    "Revenue_Garnered": 2700
  },
  {
```

```
"Sale_Date": "4/11/2021",
"Total_Sale": 20,
"Medicinal_Items_Sold": 70,
"Revenue_Garnered": 24000
},
{
  "Sale_Date": "5/11/2021",
  "Total_Sale": 15,
  "Medicinal_Items_Sold": 60,
  "Revenue_Garnered": 19000
},
{
  "Sale_Date": "6/11/2021",
  "Total_Sale": 30,
  "Medicinal_Items_Sold": 150,
  "Revenue_Garnered": 43000
},
{
  "Sale_Date": "7/11/2021",
  "Total_Sale": 8,
  "Medicinal_Items_Sold": 17,
  "Revenue_Garnered": 5000
},
{
  "Sale_Date": "8/11/2021",
  "Total_Sale": 25,
  "Medicinal_Items_Sold": 40,
  "Revenue_Garnered": 19500
},
{
  "Sale_Date": "9/11/2021",
  "Total_Sale": 14,
  "Medicinal_Items_Sold": 22,
  "Revenue_Garnered": 4700
},
{
  "Sale_Date": "10/11/2021",
  "Total_Sale": 5,
  "Medicinal_Items_Sold": 9,
  "Revenue_Garnered": 1700
},
{
  "Sale_Date": "11/11/2021",
  "Total_Sale": 17,
```

```
    "Medicinal_Items_Sold": 21,
    "Revenue_Garnered": 6000
  },
  {
    "Sale_Date": "12/11/2021",
    "Total_Sale": 26,
    "Medicinal_Items_Sold": 190,
    "Revenue_Garnered": 79000
  },
  {
    "Sale_Date": "13/11/2021",
    "Total_Sale": 20,
    "Medicinal_Items_Sold": 43,
    "Revenue_Garnered": 9000
  },
  {
    "Sale_Date": "14/11/2021",
    "Total_Sale": 25,
    "Medicinal_Items_Sold": 33,
    "Revenue_Garnered": 29000
  },
  {
    "Sale_Date": "15/11/2021",
    "Total_Sale": 40,
    "Medicinal_Items_Sold": 120,
    "Revenue_Garnered": 32000
  },
  {
    "Sale_Date": "16/11/2021",
    "Total_Sale": 31,
    "Medicinal_Items_Sold": 53,
    "Revenue_Garnered": 82400
  },
  {
    "Sale_Date": "17/11/2021",
    "Total_Sale": 15,
    "Medicinal_Items_Sold": 28,
    "Revenue_Garnered": 18900
  },
  {
    "Sale_Date": "18/11/2021",
    "Total_Sale": 24,
    "Medicinal_Items_Sold": 40,
    "Revenue_Garnered": 44000
  }
```

```

    },
    {
        "Sale_Date": "19/11/2021",
        "Total_Sale": 18,
        "Medicinal_Items_Sold": 27,
        "Revenue_Garnered": 36000
    }
]

```

```

1  [
2  {
3      "Sale_Date": "1/11/2021",
4      "Total_Sale": 9,
5      "Medicinal_Items_Sold": 35,
6      "Revenue_Garnered": 6700
7  },
8  {
9      "Sale_Date": "2/11/2021",
10     "Total_Sale": 14,
11     "Medicinal_Items_Sold": 55,
12     "Revenue_Garnered": 12000
13  },
14  {
15     "Sale_Date": "3/11/2021",
16     "Total_Sale": 5,
17     "Medicinal_Items_Sold": 18,
18     "Revenue_Garnered": 2700
19  },
20  {
21     "Sale_Date": "4/11/2021",
22     "Total_Sale": 20,
23     "Medicinal_Items_Sold": 70,
24     "Revenue_Garnered": 24000
25  },
26  {
27     "Sale_Date": "5/11/2021",
28     "Total_Sale": 15,
29     "Medicinal_Items_Sold": 60,
30     "Revenue_Garnered": 19000
31  },
32  {
33     "Sale_Date": "6/11/2021",

```

## Tables.php

```
<?php
```

```

$medicine_stock = file_get_contents('MedStock.json');
$medicine_stock = json_decode($medicine_stock, true);

```

```

$medicine_billing = file_get_contents('MedBilling.json');
$medicine_billing = json_decode($medicine_billing, true);

```

```

$medicine_sales = file_get_contents('MedSales.json');
$medicine_sales = json_decode($medicine_sales, true);

```

```
$MedStockTable = "<table border = '1'>";
$MedStockTable .= "<th>Name</th>";
$MedStockTable .= "<th>Stock</th>";
$MedStockTable .= "<th>Price</th>";
$MedStockTable .= "<th>Type</th>";
$MedStockTable .= "<th>Expiry</th>";
$MedStockTable .= "<th>Manufacturer</th>";

foreach ($medicine_stock as $key => $value)
{
    $MedStockTable .= "<tr>";
    $MedStockTable .= "<td>" . $value['Med_name'] . "</td>";
    $MedStockTable .= "<td>" . $value['Med_stock'] . "</td>";
    $MedStockTable .= "<td>" . $value['Med_price'] . "</td>";
    $MedStockTable .= "<td>" . $value['Med_type'] . "</td>";
    $MedStockTable .= "<td>" . $value['Med_expiry'] . "</td>";
    $MedStockTable .= "<td>" . $value['Med_manufacturer'] . "</td>";
    $MedStockTable .= "</tr>";
}

echo $MedStockTable."<br><br>";
echo "MEDICINE STOCK TABLE";

$MedBillingTable = "<table border = '1'>";

$MedBillingTable .= "<th>Order ID</th>";
$MedBillingTable .= "<th>Med Items & Quant</th>";
$MedBillingTable .= "<th>Total Cost</th>";

foreach ($medicine_billing as $key => $value)
{
    $MedBillingTable .= "<tr>";
    $MedBillingTable .= "<td>" . $value['Order_ID'] . "</td>";
    $MedBillingTable .= "<td>" . $value['Medicinal_Items'] . "</td>";
    $MedBillingTable .= "<td>" . $value['Total_Cost'] . "</td>";
    $MedBillingTable .= "</tr>";
}

echo $MedBillingTable."<br><br>";
echo "MEDICINE BILLING TABLE";

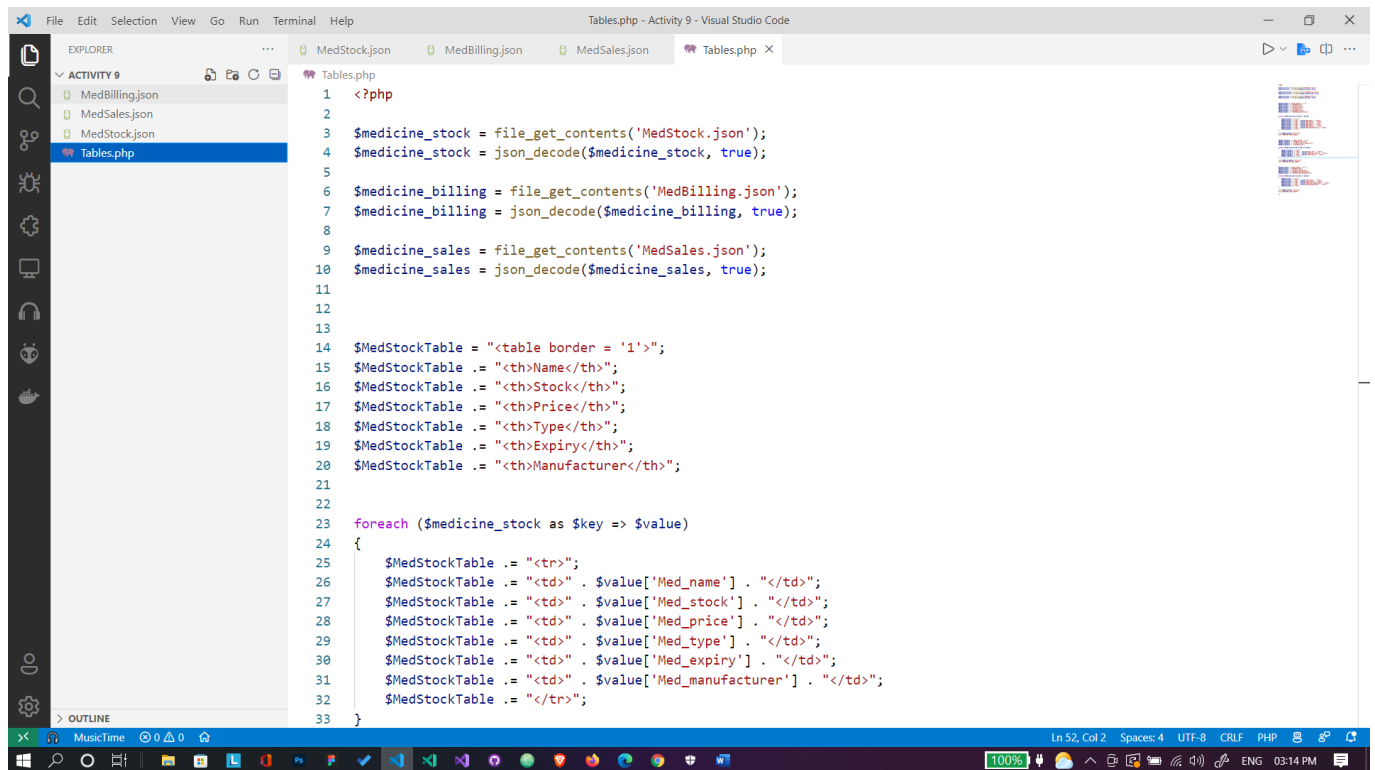
$MedSalesTable = "<table border = '1'>";
```

```
$MedSalesTable .= "<th>Date</th>";
$MedSalesTable .= "<th>Total Sales</th>";
$MedSalesTable .= "<th>Med Items Sold</th>";
$MedSalesTable .= "<th>Revenue Generated</th>";

foreach ($medicine_sales as $key => $value)
{
    $MedSalesTable .= "<tr>";
    $MedSalesTable .= "<td>" . $value['Sale_Date'] . "</td>";
    $MedSalesTable .= "<td>" . $value['Total_Sale'] . "</td>";
    $MedSalesTable .= "<td>" . $value['Medicinal_Items_Sold'] . "</td>";
    $MedSalesTable .= "<td>" . $value['Revenue_Garnered'] . "</td>";
    $MedSalesTable .= "</tr>";
}

echo $MedSalesTable."<br><br>";
echo "MEDICINE SALES TABLE";

?>
```



```
1 <?php
2
3 $medicine_stock = file_get_contents('MedStock.json');
4 $medicine_stock = json_decode($medicine_stock, true);
5
6 $medicine_billing = file_get_contents('MedBilling.json');
7 $medicine_billing = json_decode($medicine_billing, true);
8
9 $medicine_sales = file_get_contents('MedSales.json');
10 $medicine_sales = json_decode($medicine_sales, true);
11
12
13
14 $MedStockTable = "<table border = '1'>";
15 $MedStockTable .= "<th>Name</th>";
16 $MedStockTable .= "<th>Stock</th>";
17 $MedStockTable .= "<th>Price</th>";
18 $MedStockTable .= "<th>Type</th>";
19 $MedStockTable .= "<th>Expiry</th>";
20 $MedStockTable .= "<th>Manufacturer</th>";
21
22
23 foreach ($medicine_stock as $key => $value)
24 {
25     $MedStockTable .= "<tr>";
26     $MedStockTable .= "<td>" . $value['Med_name'] . "</td>";
27     $MedStockTable .= "<td>" . $value['Med_stock'] . "</td>";
28     $MedStockTable .= "<td>" . $value['Med_price'] . "</td>";
29     $MedStockTable .= "<td>" . $value['Med_type'] . "</td>";
30     $MedStockTable .= "<td>" . $value['Med_expiry'] . "</td>";
31     $MedStockTable .= "<td>" . $value['Med_manufacturer'] . "</td>";
32     $MedStockTable .= "</tr>";
33 }
```

## FINAL OUTPUT:

localhost:3000/Tables.php

localhost:3000/Tables.php

MEDICINE STOCK TABLE

Name	Stock	Price	Type	Expiry	Manufacturer
Paracetamol	30	70	Tablet	21/3/2023	Lilly
Benadryl	28	90	Syrup	11/2/2024	J&J
Adderall	22	85	Capsule	15/12/2022	Teva
Atacand	25	95	Tablet	11/10/2022	AstraZeneca
Priscoline	15	40	Capsule	16/9/2023	Novartis
Zetia	50	65	Tablet	28/12/2022	Merek&Co
Brevital	15	95	Capsule	25/11/2023	ParPharma
Cidex	88	215	Syrup	8/5/2023	Ethicon
Lodine	35	70	Capsule	19/12/2021	Almirall
Dioval	40	20	Tablet	21/10/2022	Wallace
Dopamine	15	85	Capsule	14/3/2023	Hospira
Paxil	100	29	Pill	10/3/2022	GlaxoSmithKline
Levbid	70	45	Capsule	3/12/2022	Medaxis
Xanax	32	95	Syrup	19/9/2022	Pfizer
Vexol	35	180	Syrup	30/4/2022	Alcon
Evista	45	120	Tablet	14/6/2022	EliLilly&Co
Amaryl	15	195	Tablet	31/8/2023	Hoechst
Roxanol	135	65	Capsule	7/12/2022	XanodynePharma
Zovirax	80	240	Syrup	31/2/2024	GlaxoSmithKline

MEDICINE BILLING TABLE

Order ID	Med Items & Quant	Total Cost
----------	-------------------	------------

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localhost:3000/Tables.php

localhost:3000/Tables.php

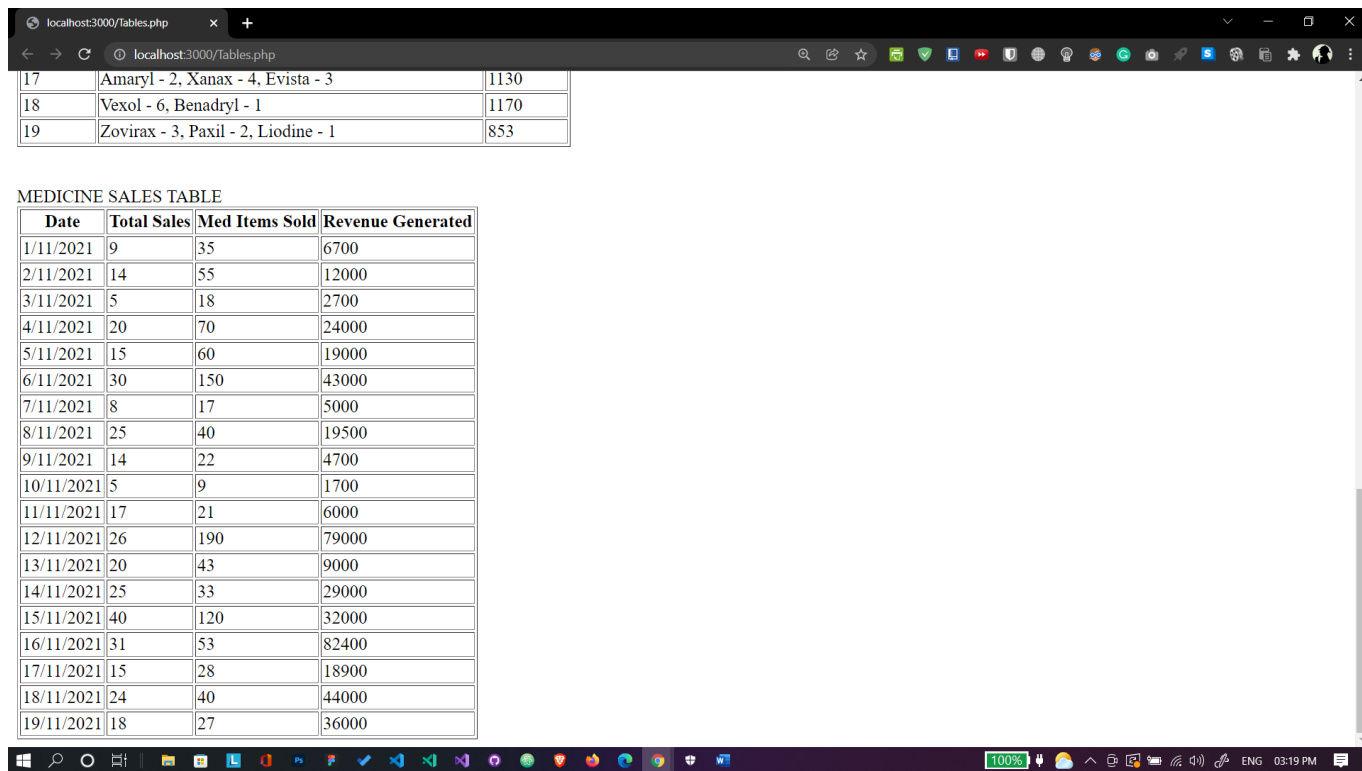
Zovirax	80	240	Syrup	31/2/2024	GlaxoSmithKline
---------	----	-----	-------	-----------	-----------------

MEDICINE BILLING TABLE

Order ID	Med Items & Quant	Total Cost
1	Benadryl - 1, Adderall - 2, Paracetamol - 3	450
2	Paracetamol - 5, Atacand - 3	635
3	Brevital - 2, Zetia - 4	450
4	Cidex - 4, Priscoline - 2, Lodine - 3	1165
5	Levbid - 3, Dopamine - 2, Dioval - 1, Paracetamol - 4	605
6	Xanax - 3	285
7	Cidex - 1, Lodine - 5	590
8	Levbid - 1, Zetia - 5, Paxil - 2	428
9	Zetia - 2, Vexol - 4, Priscoline - 3	970
10	Brevital - 7	665
11	Xanax - 4, Benadryl - 4	740
12	Vexol - 4, Cidex - 1, Paracetamol - 3	1145
13	Zetia - 3, Lodine - 1	270
14	Benadryl - 2, Atacand - 10	1130
15	Paxil - 3, Levbid - 8, Zetia - 6, Cidex - 1	1052
16	Roxanol - 5	325
17	Amaryl - 2, Xanax - 4, Evista - 3	1130
18	Vexol - 6, Benadryl - 1	1170
19	Zovirax - 3, Paxil - 2, Liodine - 1	853

MEDICINE SALES TABLE

100% ENG 03:19 PM



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/Tables.php'. The browser window contains a table with three rows of data. Below the browser window, there is a section titled 'MEDICINE SALES TABLE' followed by a larger table with four columns: 'Date', 'Total Sales', 'Med Items Sold', and 'Revenue Generated'. The table contains 19 rows of data, starting from 1/11/2021 and ending on 19/11/2021. The Windows taskbar is visible at the bottom of the screen, showing various application icons and the system clock indicating 03:19 PM on 11/11/2021.

17	Amaryl - 2, Xanax - 4, Evista - 3	1130
18	Vexol - 6, Benadryl - 1	1170
19	Zovirax - 3, Paxil - 2, Liodine - 1	853

MEDICINE SALES TABLE

Date	Total Sales	Med Items Sold	Revenue Generated
1/11/2021	9	35	6700
2/11/2021	14	55	12000
3/11/2021	5	18	2700
4/11/2021	20	70	24000
5/11/2021	15	60	19000
6/11/2021	30	150	43000
7/11/2021	8	17	5000
8/11/2021	25	40	19500
9/11/2021	14	22	4700
10/11/2021	5	9	1700
11/11/2021	17	21	6000
12/11/2021	26	190	79000
13/11/2021	20	43	9000
14/11/2021	25	33	29000
15/11/2021	40	120	32000
16/11/2021	31	53	82400
17/11/2021	15	28	18900
18/11/2021	24	40	44000
19/11/2021	18	27	36000