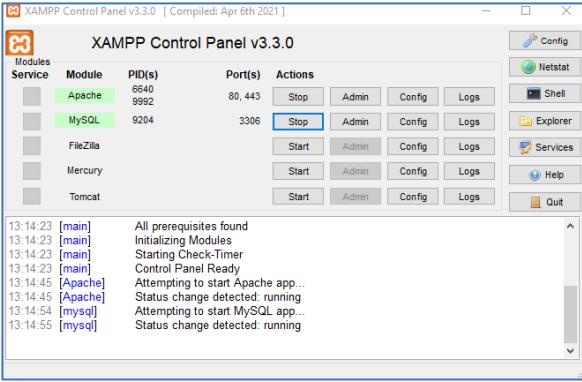


Nama : Laila Sirri Hayati

NIM : 19611050

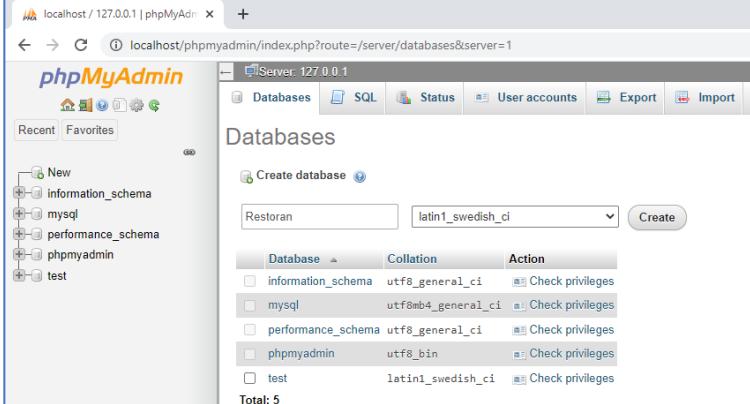
Kelas : C

Database Review

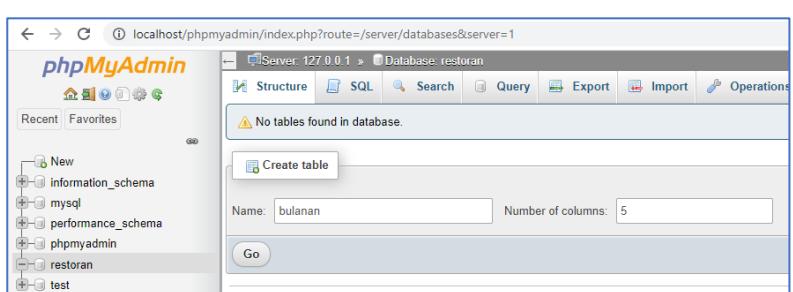


The screenshot shows the XAMPP Control Panel v3.3.0 interface. It lists several services: Apache (PID 6640, Port 80,443), MySQL (PID 992, Port 3306), FileZilla, Mercury, and Tomcat. Buttons for Stop, Admin, Config, and Logs are available for each service. A log window at the bottom shows the following entries:

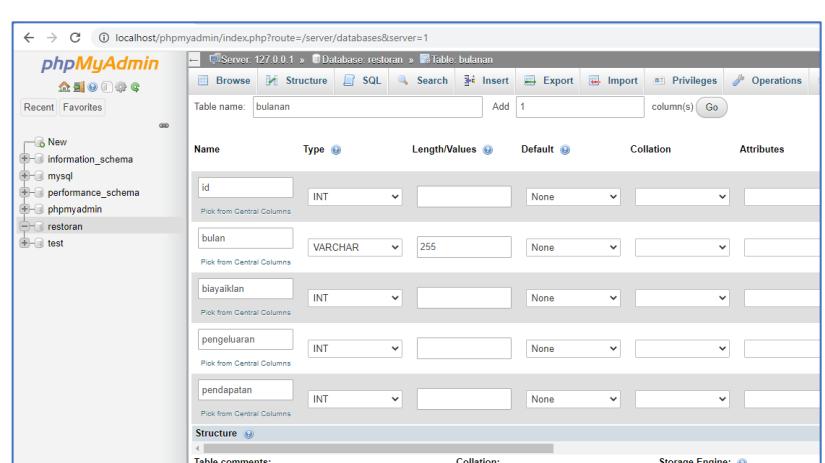
```
13:14:23 [main] All prerequisites found
13:14:23 [main] Initializing Modules
13:14:23 [main] Starting Check-Timer
13:14:23 [main] Control Panel Ready
13:14:45 [Apache] Attempting to start Apache app...
13:14:45 [Apache] Status change detected: running
13:14:54 [mysql] Attempting to start MySQL app...
13:14:55 [mysql] Status change detected: running
```

The screenshot shows the phpMyAdmin interface for the 'restoran' database. It displays a list of databases including information_schema, mysql, performance_schema, phpmyadmin, test, and restoran. A 'Create database' form is open with 'Restoran' entered in the name field and 'latin1_swedish_ci' selected for collation. A 'Create' button is visible.



The screenshot shows the phpMyAdmin interface for the 'restoran' database. It displays a 'Create table' form with 'Name: bulanan' and 'Number of columns: 5'. A 'Go' button is visible.



The screenshot shows the phpMyAdmin interface for the 'restoran' database, specifically for the 'bulanan' table. The table structure is defined with the following columns:

Name	Type	Length/Values	Default	Collation	Attributes
id	INT		None		
bulan	VARCHAR	255	None		
biayaiklan	INT		None		
pengeluaran	INT		None		
pendapatan	INT		None		

Buttons for Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, and Operations are visible at the top of the table editor.

localhost / 127.0.0.1 / restoran / +

localhost/phpmyadmin/index.php?route=/database/structure&&server=1&db=restoran&t=bulanan

Server: 127.0.0.1 » Database: restoran » Table: bulanan

Recent | Favorites

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	bulan	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
3	biayaiklan	int(11)			No	None			Change Drop More
4	pengeluaran	int(11)			No	None			Change Drop More
5	pendapatan	int(11)			No	None			Change Drop More

Check all With selected: Browse Change Drop Primary Unique Index Spatial

ange.log db_connect.php

```
<?php
$kon = mysqli_connect('localhost','root','');
$link = mysqli_select_db($kon,"restoran") or die(mysqli_error());
?>
```

index.php

```
1. <?php
2. include "db_connect.php";
3. $Query=mysqli_query ($kon, "SELECT * FROM bulanan") or die (mysqli_error());
4. $jumlah = mysqli_num_rows($Query);
5. echo "<head>";
6. echo "<link href='style.css' type='text/css' rel='stylesheet'>";
7. echo "</head>";
8. echo "<title>Keuangan Bulanan Restoran</title>";
9. echo "<body>";
10. echo "<table border='1' style='width:100%; border-collapse: collapse; margin: auto; text-align: center; border: 1px solid black; border-collapse: collapse; font-size: 10pt; font-family: Arial; background-color: #F0F0F0;'>
11. <tr border='1' style='background-color: #E0E0E0; height: 30px; font-size: 10pt; font-family: Arial; border: 1px solid black; border-collapse: collapse; text-align: center; width: 100%;>
12. <td align='center'><font color='white' face='Arial' size=2>No:</font><br/>
13. <td align='center'><font color='white' face='Arial' size=2>Bulan:</font><br/>
14. <td align='center'><font color='white' face='Arial' size=2>Pengeluaran:</font><br/>
15. <td align='center'><font color='white' face='Arial' size=2>Pendapatan:</font><br/>
16. <td align='center'><font color='yellow' face='Arial' size=2>Ushah:</font><br/>
17. </tr>
18. <tr border='1' style='background-color: #E0E0E0; height: 30px; font-size: 10pt; font-family: Arial; border: 1px solid black; border-collapse: collapse; text-align: center; width: 100%;>
19. <td colspan='5' style='font-size: 10pt; font-family: Arial; border: 1px solid black; border-collapse: collapse; text-align: center; width: 100%;>
20. <table border='1' style='width: 100%; border-collapse: collapse; margin: auto; text-align: center; border: 1px solid black; border-collapse: collapse; font-size: 10pt; font-family: Arial; background-color: #F0F0F0;'>
21. <tr border='1' style='background-color: #E0E0E0; height: 30px; font-size: 10pt; font-family: Arial; border: 1px solid black; border-collapse: collapse; text-align: center; width: 100%;>
22. <td align='center'><font color='black' face='Arial' size=1>id:</font><br/>
23. <td align='center'><font color='black' face='Arial' size=1>bulan:</font><br/>
24. <td align='center'><font color='black' face='Arial' size=1>pengeluaran:</font><br/>
25. <td align='center'><font color='black' face='Arial' size=1>pendapatan:</font><br/>
26. <td align='center'><font color='black' face='Arial' size=1>ushah:</font><br/>
27. </tr>
28. <tr border='1' style='height: 30px; font-size: 10pt; font-family: Arial; border: 1px solid black; border-collapse: collapse; text-align: center; width: 100%;>
29. <td colspan='5' style='font-size: 10pt; font-family: Arial; border: 1px solid black; border-collapse: collapse; text-align: center; width: 100%;>
30. <table border='1' style='width: 100%; border-collapse: collapse; margin: auto; text-align: center; border: 1px solid black; border-collapse: collapse; font-size: 10pt; font-family: Arial; background-color: #F0F0F0;'>
31. <tr border='1' style='background-color: #E0E0E0; height: 30px; font-size: 10pt; font-family: Arial; border: 1px solid black; border-collapse: collapse; text-align: center; width: 100%;>
32. <td align='center'><font color='black' face='Arial' size=1>id:</font><br/>
33. <td align='center'><font color='black' face='Arial' size=1>bulan:</font><br/>
34. <td align='center'><font color='black' face='Arial' size=1>pengeluaran:</font><br/>
35. <td align='center'><font color='black' face='Arial' size=1>pendapatan:</font><br/>
36. <td align='center'><font color='black' face='Arial' size=1>ushah:</font><br/>
37. </tr>
38. </table>
39. </td>
40. </tr>
41. </table>
42. </body>
43. </html>
```

← → ⌂ ⓘ localhost/restoran/

Keuangan Bulanan

Masukkan keuangan baru:

No	Bulan	Biaya Iklan	Pengeluaran	Pendapatan	Ubah?
----	-------	-------------	-------------	------------	-------

Column	Type	Function	Null	Value
id	int(11)			1
bulan	varchar(255)			januari
biayaiklan	int(11)			59
pengeluaran	int(11)			450
pendapatan	int(11)			2100

1 row inserted.

```
INSERT INTO `bulan` (`id`, `bulan`, `biayaiklan`, `pengeluaran`, `pendapatan`) VALUES ('1', 'januari', '59', '450', '2100');
```

Keuangan Bulanan

Masukkan keuangan baru

No	Bulan	Biaya Iklan	Pengeluaran	Pendapatan	Ubah?
1	januari	59	450	2100	Hapus Edit

```
<?php
include "db_connect.php";
$bulan = $_POST['bulan'];
$biayaiklan = $_POST['biayaiklan'];
$pengeluaran = $_POST['pengeluaran'];
$pendapatan = $_POST['pendapatan'];

$query=mysqli_query($kon, "INSERT INTO bulan(bulan,biayaiklan,pengeluaran,pendapatan) VALUES ('$bulan', '$biayaiklan', '$pengeluaran', '$pendapatan')") or die (mysqli_error());
if($query) {
    <?php
    <script language="JavaScript">
        document.location='index.php'
    </script>
<?php
}
?>
```

Masukkan data baru

bulan :	<input name="bulan" type="text"/>
biayaiklan :	<input name="biayaiklan" type="text"/>
pengeluaran :	<input name="pengeluaran" type="text"/>
pendapatan :	<input name="pendapatan" type="text"/>

[Add](#) [back](#)

```
1 <?php
2     include "db_connect.php";
3     $bulan = $_POST['bulan'];
4     $biayaiklan = $_POST['biayaiklan'];
5     $pengeluaran = $_POST['pengeluaran'];
6     $pendapatan = $_POST['pendapatan'];
7
8     $query=mysqli_query($kon, "INSERT INTO bulan(bulan,biayaiklan,pengeluaran,pendapatan) VALUES ('$bulan', '$biayaiklan', '$pengeluaran', '$pendapatan')") or die (mysqli_error());
9
10    if($query) {
11        <?php
12        <script language="JavaScript">
13            document.location='index.php'
14        </script>
15    <?php
16
17
18 ?>
```

Masukkan data baru

bulan :	<input type="text" value="februari"/>
biayaiklan :	<input type="text" value="70"/>
pengeluaran :	<input type="text" value="555"/>
pendapatan :	<input type="text" value="3200"/>

[Add](#) [back](#)

Keuangan Bulanan

Masukkan keuangan baru

No	Bulan	Biaya Iklan	Pengeluaran	Pendapatan	Ubah?
1	januari	59	450	2100	Hapus Edit
2	februari	70	555	3200	Hapus Edit

```

change.log db_connected.php index.php add.php insert_data.php delete.php
1 <?php
2 include "db_connect.php";
3 $id = $_GET['id'];
4
5 $query = "DELETE FROM bulanan WHERE id = $id";
6 mysqli_query($kon, $query);
7
8 ?>
9 <script language="JavaScript">
10 document.location='index.php';
11 </script>
12 ?>
13

```

```

index.php db_connected.php index.php add.php insert_data.php delete.php edit.php
1 <?php
2 include "db_connect.php";
3 $id = $_GET['id'];
4
5 $query=mysqli_query($kon, "SELECT * FROM bulanan WHERE id ='$id'");
6 while ($row=mysqli_fetch_array($query))
7 {
8     $bulan = $row['bulan'];
9     $biayaiklan = $row['biayaiklan'];
10    $pengeluaran = $row['pengeluaran'];
11    $pendapatan = $row['pendapatan'];
12    echo "<tr>";
13    echo "<td>font face='Tahoma' color='green' size=4><b>Perbaiki data</b></font>" ;
14    echo "<td><input type='text' name='bulan' value='$bulan' size=30>&ampnbsp" ;
15    echo "<td><input type='text' name='biayaiklan' value='<b>$biayaiklan</b>' size=30>&ampnbsp" ;
16    echo "<td><input type='text' name='pengeluaran' value='<b>$pengeluaran</b>' size=30>&ampnbsp" ;
17    echo "<td><input type='text' name='pendapatan' value='<b>$pendapatan</b>' size=30>&ampnbsp" ;
18    echo "<td><input type='submit' name='submit' value='Update' /></td></tr>" ;
19 }
20 </table></form></body></html>;
21
22 ?>

```

```

index.php db_connect.php index.php add.php insert_data.php delete.php edit.php update.php
1 <?php
2 include "db_connect.php";
3 $id = $_GET['id'];
4
5 $bulan = $_POST['bulan'];
6 $biayaiklan = $_POST['biayaiklan'];
7 $pengeluaran = $_POST['pengeluaran'];
8 $pendapatan = $_POST['pendapatan'];
9
10 $query=mysqli_query ($kon, "UPDATE bulanan SET bulan='".$bulan",
11 biayaiklan='".$biayaiklan', pengeluaran='".$pengeluaran',
12 pendapatan ='$pendapatan' WHERE id='".$id."' or die (mysqli_error()));
13
14 if($query) {
15 ?>
16 <script language="JavaScript">
17 - document.location='index.php';
18 </script>
19 ?>
20
21
22 ?>

```

localhost/restoran/index.php

Keuangan Bulanan

Masukkan keuangan baru

No	Bulan	Biaya Iklan	Pengeluaran	Pendapatan	Ubah?
1	januari	59	450	2100	Hapus Edit
2	februari	70	555	3200	Hapus Edit
3	maret	65	580	3350	Hapus Edit
4	april	70	580	3375	Hapus Edit
5	mei	75	450	3385	Hapus Edit
6	juni	75	580	3500	Hapus Edit
7	juli	80	600	4200	Hapus Edit
8	agustus	80	610	4500	Hapus Edit
9	september	85	605	4550	Hapus Edit
10	oktober	88	610	4700	Hapus Edit
11	november	90	610	4900	Hapus Edit
12	desember	100	625	5050	Hapus Edit

```

install.packages("RMySQL")
install.packages("db_connect")
library(RMySQL)
library(db_connect)
search()

rconn=dbConnect(MySQL(),user="root",
                password="",
                host="127.0.0.1",
                dbname="restoran")

> dbListTables(rconn)
[1] "bulanan"

```

```
> dbListFields(rconn, "bulanan")
[1] "id"          "bulan"        "biayaiklan"   "pengeluaran" "pendapatan"
```

```
> result=dbSendQuery(rconn, "select * from bulanan")
> data.hasil=fetch(result)
> data.hasil
  id bulan biayaiklan pengeluaran pendapatan
1 1 januari      59      450     2100
2 2 februari      70      555     3200
3 3 maret        65      580     3350
4 4 april         70      580     3375
5 5 mei           75      450     3385
6 6 juni          75      580     3500
7 7 juli           80      600     4200
8 8 agustus       80      610     4500
9 9 september     85      605     4550
10 10 oktober      88      610     4700
11 11 november     90      610     4900
12 12 desember     100     625     5050
```

```
> dbClearResult(dbListResults(rconn)[[1]])
[1] TRUE
```

```
install.packages("dplyr")
library(dplyr)
search()
```

```
> result2<-dbSendQuery(rconn,"select * from bulanan")
> data.hasil2=fetch(result2)
```

```
> tb1_df(data.hasil2)
# A tibble: 12 x 5
  id bulan biayaiklan pengeluaran pendapatan
  <int> <chr>    <int>    <int>    <int>
1 1 januari      59      450     2100
2 2 februari      70      555     3200
3 3 maret        65      580     3350
4 4 april         70      580     3375
5 5 mei           75      450     3385
6 6 juni          75      580     3500
7 7 juli           80      600     4200
8 8 agustus       80      610     4500
9 9 september     85      605     4550
10 10 oktober      88      610     4700
11 11 november     90      610     4900
12 12 desember     100     625     5050
Warning message:
`tbl_df()` was deprecated in dplyr 1.0.0.
Please use `tbl_df(as_tibble)` instead.
This warning is displayed once every 8 hours.
Call `lifecycle::last_lifecycle_warnings()` to see where this warning was generated.
```

```
> names(data.hasil2)
[1] "id"          "bulan"        "biayaiklan"   "pengeluaran" "pendapatan"
```

```
> select(data.hasil2,biayaiklan,pendapatan)
  biayaiklan pendapatan
  1           59     2100
  2           70     3200
  3           65     3350
  4           70     3375
  5           75     3385
  6           75     3500
  7           80     4200
  8           80     4500
  9           85     4550
  10          88     4700
  11          90     4900
  12          100    5050
```

```
> variabelterpilih<-select(data.hasil2,biayaiklan,pendapatan)
```

R 4.1.1 --> variabelterpilih<-select(data.hasil2,biayaiklan,pendapatan)
warning message:
`tbl_df()` was deprecated in dplyr 1.0.0.
Please use `tbl_df(as_tibble)` instead.
This warning is displayed once every 8 hours.
Call `lifecycle::last_lifecycle_warnings()` to see where this warning was generated.
> names(data.hasil2)
[1] "id" "bulan" "biayaiklan" "pengeluaran" "pendapatan"
> select(data.hasil2,biayaiklan,pendapatan)
 biayaiklan pendapatan
 1 59 2100
 2 70 3200
 3 65 3350
 4 70 3375
 5 75 3385
 6 75 3500
 7 80 4200
 8 80 4500
 9 85 4550
 10 88 4700
 11 90 4900
 12 100 5050
> variabelterpilih<-select(data.hasil2.biayaiklan,pendapatan)
> plot(variabelterpilih\$biayaiklan,variabelterpilih\$pendapatan)
> cor(variabelterpilih\$biayaiklan,variabelterpilih\$pendapatan)
[1] 0.9433506
>

```
> cor(variabelterpilih$biayaiklan,variabelterpilih$pendapatan)
[1] 0.9433506
>
```

```
> select(data.hasil2, bulan, pengeluaran) %>% arrange(pengeluaran)
  bulan pengeluaran
  1 januari      450
  2 mei          450
  3 februari     555
  4 maret        580
  5 april         580
  6 juni          580
  7 juli          600
  8 september    605
  9 agustus       610
  10 oktober      610
  11 november     610
  12 desember     625
```