

MySQL Workbench

Local instance mysql

File Edit View Query Database Server Tools Scripting Help

Navigator customers

SCHEMAS

classicmodels

Tables

customers

Views

Stored Procedures

Functions

sakila

sys

world

customers

1 • SELECT contactFirstName
2 FROM classicmodels.customers
3 WHERE contactFirstName REGEXP "bg|ba"
4
5

Administration Schemas

Information

Table: customers

Columns:

- customerNumber
- customerName
- contactLastName
- contactFirstName
- phone
- addressLine1
- addressLine2
- city
- state
- postalCode
- country
- salesRepEmployeeNumber
- creditLimit

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: |

contactFirstName

New Grid

Form Editor

Field Types

The screenshot shows the MySQL Workbench interface. The top section displays a query editor with the following SQL code:

```
1 • SELECT contactFirstName
2 FROM classicmodels.customers
3 WHERE contactFirstName REGEXP "bg|ba"
4
5
```

The bottom section shows the results of the query in a grid format. The columns listed on the left are customerNumber, customerName, contactLastName, contactFirstName, phone, addressLine1, addressLine2, city, state, postalCode, country, salesRepEmployeeNumber, and creditLimit. The contactFirstName column is currently selected, as indicated by a blue border around its header. The results grid is currently empty, showing only the column headers.

Scanned with CamScanner

MySQL Workbench

Local instance mysql

File Edit View Query Database Server Tools Scripting Help

Navigator customers

SCHEMAS

classicmodels

Tables

customers

Views

Stored Procedures

Functions

sakila

sys

world

customers

```
1 • SELECT contactFirstName
2   FROM classicmodels.customers
3   where contactFirstName regexp "els"
4   or contactFirstName regexp "ie?";
```

Administration Schemas

Information

Table: customers

Columns:

- customerNumber
- customerName
- contactLastName
- contactFirstName
- phone
- addressLine1
- addressLine2
- city
- state
- postalCode
- country
- salesRepEmployeeNumber
- creditLimit

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: |

contactFirstName
Carrie
Janne
Julie
Kwai
Diego
Christina
Eric
Kevin
Juri
Veysel
Keith
Izahal

New & Grid

Form Editor

Field Types

The screenshot shows the MySQL Workbench interface. The top half displays a query editor window with a SQL statement for selecting contact first names from the 'customers' table where the name starts with 'els' or ends with 'ie?'. The bottom half shows a results grid for the 'customers' table, displaying the 'contactFirstName' column. The results grid includes options for filtering rows, exporting data, and wrapping cell content. To the right of the results grid is a sidebar with icons for 'New & Grid', 'Form Editor', and 'Field Types'.

Scanned with CamScanner

MySQL Workbench

Local instance mysql

File Edit View Query Database Server Tools Scripting Help

Navigator Customers customers

SCHEMAS

classicmodels

Tables

customers

Views

Stored Procedures

Functions

sakila

sys

world

1 • SELECT *

2

3 FROM classicmodels.customers

4 order by creditLimit desc

5 limit 1, 3;

6

Administration Schemas

Information

Table: customers

Columns:

- customerNumber
- customerName
- contactLastName
- contactFirstName
- phone
- addressLine1
- addressLine2
- city
- state
- postalCode
- country
- salesRepEmployeeNumber
- creditLimit

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRepEmployeeNumber	creditLimit
124	MinGifts Distributors Ltd.	Nelson	Susan	415551450	5677 Strong St.		San Rafael	CA	97562	USA	1165	210500.00
298	Vida Sport, Ltd.	Holt	Mihail	0897-034555	Grenzacherweg 237		Genève		1203	Switzerland	1702	141300.00
151	Muscle Machine Inc	Young	Jeff	2125557413	4092 Furth Circle	Suite 400	NYC	NY	10022	USA	1286	138500.00

Result Grid Form Editor Field Types

Scanned with CamScanner

MySQL Workbench

Local instance mysql

File Edit View Query Database Server Tools Scripting Help

Navigator customers

SCHEMAS

- classicmodels
 - Tables **customers**
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

customers

```
1 • SELECT contactFirstName
2 FROM classicmodels.customers
3 WHERE contactFirstName REGEXP '^je$'
4
```

Administration Schemas

Information

Table: customers

Columns:

- customerNumber
- customerName
- contactLastName
- contactFirstName
- phone
- addressLine1
- addressLine2
- city
- state
- postalCode
- country
- salesRepEmployeeNumber
- creditLimit

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: |

contactFirstName
Jean
Jeff
Jerry
Jean
Jesus

Object Info Session customers 12 x Read Only

15°C ١٥°C

Scanned with CamScanner

MySQL Workbench

Local instance mysql

File Edit View Query Database Server Tools Scripting Help

Navigator customers customers

SCHEMAS

classicmodels

Tables

Views

Stored Procedures

Functions

sakila

sys

world

1 • SELECT contactFirstName
2 FROM classicmodels.customers
3 WHERE contactFirstName REGEXP '^je'
4 OR contactFirstName REGEXP '^a|'

Administration Schemas Information

Table: customers

Columns:

- customerNumber
- customerName
- contactLastName
- contactFirstName
- phone
- addressLine1
- addressLine2
- city
- state
- postalCode
- country
- salesRepEmployeeNumber
- creditLimit

Result Grid | Filter Rows: _____ Export: Wrap Cell Content:

contactFirstName
Jean
Jeff
Jerry
Leslie
Jean
Jesus
Leslie

Result Grid Form Editor Field Types

Object Info Session customers 14 x Read Only

15°C 2/28/2022 9:02 PM

Scanned with CamScanner

MySQL Workbench

Local instance mysql

File Edit View Query Database Server Tools Scripting Help

Navigator customers customers

SCHEMAS

- classicmodels
 - Tables
 - customers
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

1 • SELECT *,creditLimit*2000 as new_creditlimit
2
3 FROM classicmodels.customers
4 order by new_creditlimit;

Administration Schemas Information

Table: customers

Columns:

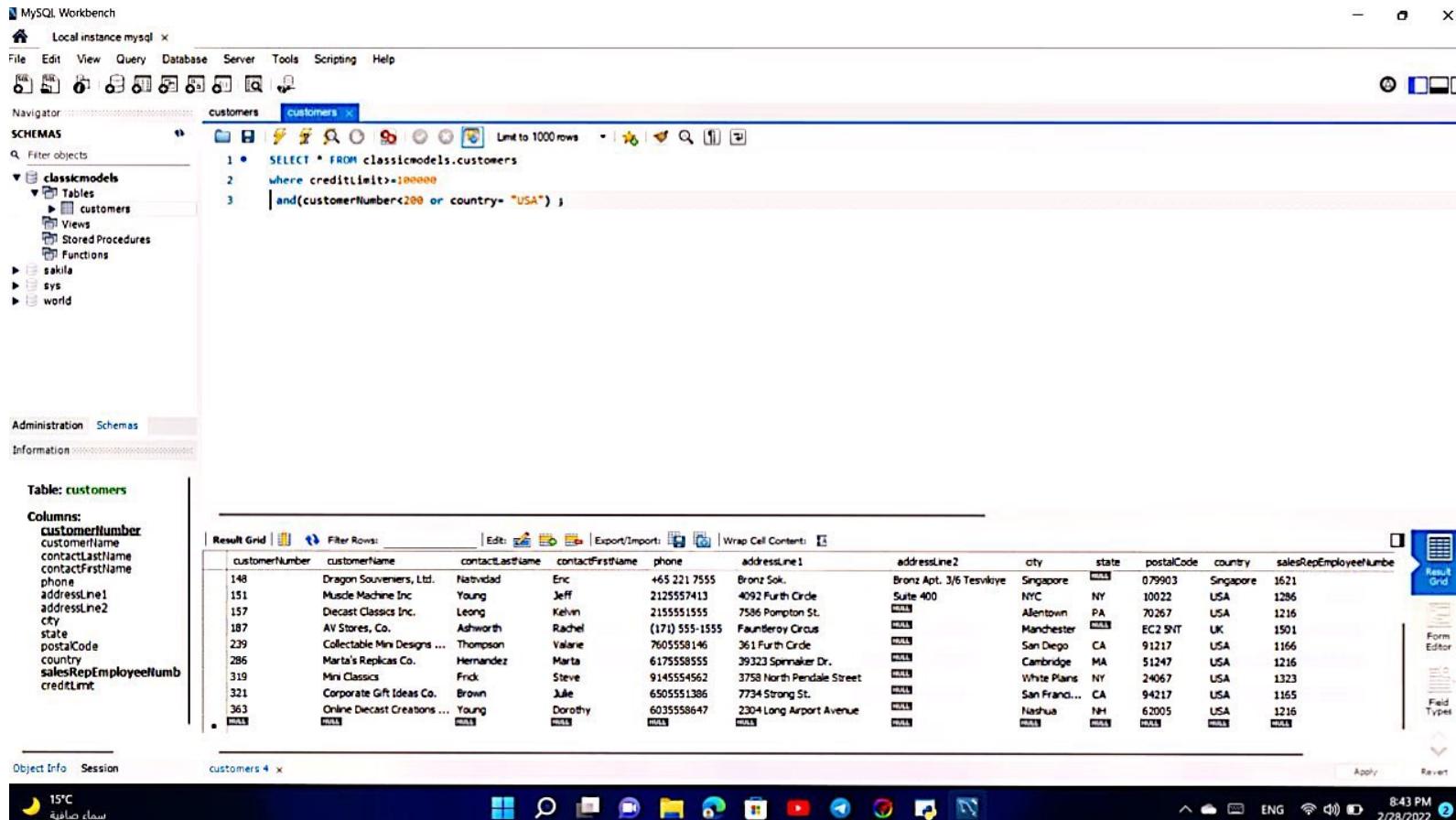
customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRepEmployeeNumber	creditLimit	new_creditlimit
1001	Anton Design, Ltd.	Anton	Carmen	+34 913 728555	c/ Gobelas, 19-1 Urb. ...		Madrid	Spain	28023	Spain	001	2000.00	2000.00
1002	AltaVerde & Co.	Moos	Hanna	0621-08555	Forsterstr. 57		Mannheim	Germany	68306	Germany	002	2000.00	2000.00
1003	Krémelin Collectables, Co.	Semenov	Alexander	+7 812 293 0521	2 Pobedy Square		Saint Peterburg	Russia	196143	Russia	003	2000.00	2000.00
1004	Raanan Stores, Inc.	Altagar, G M	Raanan	+972 9 959 8555	3 Hagalm Blv.		Herzlia	Israel	47625	Israel	004	2000.00	2000.00
1005	Boards & Toys Co.	Young	Mary	3105552373	4097 Douglas Av.		Gendale	USA	92561	USA	1166	11000.00	13000.00
1006	Atelier graphique	Schmitt	Carine	40.32.2555	54, rue Royal		Nantes	France	44000	France	1370	21000.00	23000.00
1007	Auto-Moto Classics Inc.	Taylor	Leslie	6175558428	16780 Pompton St.		Brockhaven	USA	58339	USA	1216	23000.00	25000.00
1008	Royale Belge	Cartran	Pascale	(071) 23 67 2555	Boulevard Tirou, 255		Charleroi	Belgium	B-6000	Belgium	1401	23500.00	25500.00
1009	Frau da Colezione	Ricotti	Franco	+39 022515555	20093 Cologno Monzese	Alessandro ...	Milan	Italy	20133	Italy	1401	34800.00	36800.00
1010	Microscale Inc.	Choi	Yu	2125551957	5290 North Pendale St...	Suite 200	NYC	NY	10022	USA	1286	39800.00	41800.00
1011	Spice&Flame mm	Yoshihiko	Yuri	A1755504444	8616 Grenadier Dr.		Boston	USA	02107	USA	1714	41900.00	43900.00

Object Info Session Result 7 x

Result Grid Form Editor Field Types

15°C 8:49 PM 2/28/2022

Scanned with CamScanner



Scanned with CamScanner

MySQL Workbench

Local instance mysql

File Edit View Query Database Server Tools Scripting Help

Navigator customers customers

SCHEMAS

- classicmodels
 - Tables
 - customers
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

1 • SELECT *,creditLimit*2000 as new_creditlimit
2
3 FROM classicmodels.customers
4 order by new_creditlimit;

Administration Schemas Information

Table: customers

Columns:

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRepEmployeeNumber	creditLimit	new_creditlimit
1001	Anton Design, Ltd.	Anton	Carmen	+34 913 728555	c/ Gobelas, 19-1 Urb. ...		Madrid	Spain	28023	Spain	001	2000.00	2000.00
1002	AltaVerde & Co.	Moos	Hanna	0621-08555	Forsterstr. 57		Mannheim	Germany	68306	Germany	002	2000.00	2000.00
1003	Krémelin Collectables, Co.	Semenov	Alexander	+7 812 293 0521	2 Pobedy Square		Saint Peterburg	Russia	196143	Russia	003	2000.00	2000.00
1004	Raanan Stores, Inc.	Altagar, G M	Raanan	+972 9 959 8555	3 Hagalm Blv.		Herzlia	Israel	47625	Israel	004	2000.00	2000.00
1005	Boards & Toys Co.	Young	Mary	3105552373	4097 Douglas Av.		Gendale	USA	92561	USA	1166	11000.00	13000.00
1006	Atelier graphique	Schmitt	Carine	40.32.2555	54, rue Royal		Nantes	France	44000	France	1370	21000.00	23000.00
1007	Auto-Moto Classics Inc.	Taylor	Leslie	6175558428	16780 Pompton St.		Brockhaven	USA	58339	USA	1216	23000.00	25000.00
1008	Royale Belge	Cartran	Pascale	(071) 23 67 2555	Boulevard Tirou, 255		Charleroi	Belgium	B-6000	Belgium	1401	23500.00	25500.00
1009	Frau da Colezione	Ricotti	Franco	+39 022515555	20093 Cologno Monzese	Alessandro ...	Milan	Italy	20133	Italy	1401	34800.00	36800.00
1010	Microscale Inc.	Choi	Yu	2125551957	5290 North Pendale St...	Suite 200	NYC	NY	10022	USA	1286	39800.00	41800.00
1011	Spice&Flame mm	Yoshihiko	Yuri	A1755504444	8616 Grenadier Dr.		Boston	USA	02107	USA	1714	41900.00	43900.00

Object Info Session Result 7 x

Result Grid Form Editor Field Types

15°C 8:49 PM 2/28/2022

Scanned with CamScanner

MySQL Workbench

Local instance mysql

File Edit View Query Database Server Tools Scripting Help

Navigator customers customers

SCHEMAS

classicmodels

Tables

Views

Stored Procedures

Functions

sakila

sys

world

1 • SELECT * FROM classicmodels.customers
2 where creditLimit>100000
3 and(customerNumber<200 or country= "USA") ;

Administration Schemas

Information

Table: customers

Columns:

- customerNumber
- customerName
- contactLastName
- contactFirstName
- phone
- addressLine1
- addressLine2
- city
- state
- postalCode
- country
- salesRepEmployeeNumber
- creditLimit

Result Grid

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRepEmployeeNumber
148	Dragon Souvenirs, Ltd.	Natvidak	Enc	+65 221 7555	Bronz Sok.	Bronz Apt. 3/6 Tesvikayre	Singapore	NULL	079903	Singapore	1621
151	Muscle Machine Inc	Young	Jeff	2125557413	4092 Furth Circle	Suite 400	NYC	NY	10022	USA	1256
157	Diecast Classics Inc.	Leong	Kelvin	2155551555	7586 Pompton St.	NULL	Allentown	PA	70267	USA	1216
187	AV Stores, Co.	Ashworth	Rachel	(171) 555-1555	Faunderoy Circus	NULL	Manchester	NULL	EC2 SHT	UK	1501
239	Collectable Mini Designs ...	Thompson	Valarie	7605550146	361 Furth Circle	NULL	San Diego	CA	91217	USA	1166
286	Marta's Replicas Co.	Hernandez	Marta	6175558555	39323 Sprinaker Dr.	NULL	Cambridge	MA	51247	USA	1216
319	Mini Classics	Frick	Steve	9145554562	3758 North Pendale Street	NULL	White Plains	NY	24067	USA	1323
321	Corporate Gift Ideas Co.	Brown	Julie	6505551286	7734 Strong St.	NULL	San Franc...	CA	94217	USA	1165
363	Online Diecast Creations ...	Young	Dorothy	6035558647	2304 Long Airport Avenue	NULL	Nashua	NH	62005	USA	1216
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Object Info Session customers 4

15°C ١٥°C ٣٠°C ٣٠°C

Apply Revert

8:43 PM 2/28/2022

Scanned with CamScanner

Report(3) Q3

- (1) Banking and securities
- (2) Communication, media and entertainment
- (3) HealthCare providers
- (4) education
- (5) Government
- (6) Insurance
- (7) Transportation.

- * Database used for storing, maintaining and accessing any sort of data they collect information on people, places or things. That information is gathered in one place so that it can be observed and analyzed. Database can be thought of as an organized collection of information.
- * Database storage. The purpose of every database is to store information, text, images even media files all dynamic modern websites rely on one or more database for storing articles and other published content information about the users contact information connections to other websites, ads, etc.
- * There are five types of query in access they are
 - (1) Select queries
 - (2) Action queries
 - (3) Parameter queries
 - (4) Crosstab queries
 - (5) SQL queries

Report (1) Q3

DBMS Vendors provided us with various types of tools

according to the power of these tools and our

needs we have to select the suitable one

I prefer the one which contains sufficient tools with proper size.

Report 11 (Q12)

A database management system is a software tool that enables users to manage a database in the database. These actions can range from simply querying data to defining database schemas that fundamentally affect the database structure.

Furthermore DBMSs allow users to interact with a database securely and concurrently without interfering with each user's and while maintaining data integrity.

Some ~~operations~~ operation of database

- ① Configuring authentication and authorization
- ② Providing data backups and snapshots
- ③ Performance tuning
- ④ Data Recovery

Components of database system

① Storage engine:

The core component of the DBMS that interacts with the file system at an OS level to store data.

② Query Language:

- Data Definition language.
- Data Manipulation language.
- Data Control language.
- Transaction Control language.

③ Query Processor

④ Optimization engine

⑤ Metadatabase Catalog

⑥ Log manager

⑦ Reporting and monitoring tools ⑧ Data utilities

Report (1). (Q 1)

What is meant by Term Data in the Computer science? Give some examples. Then state the relation between Data and Information?

Data: is a Collection of raw unorganised facts and details like

Text, observations, figures, symbols and description of things.

In other word data does not carry any specific purpose and

has no significance by itself. moreover data is measured in terms of bit and bytes which are basic units of Information in

The Context of Computer Storage and Processing.

Information: is the Processed organized and structured

data. It provides context for data and enables decision

making. for example a single Customise sale at a Restaurant

is data this becomes information when the business is

able to identify the most popular dish.

H211081

www.oxforduni.ac.in

Date:

10/10/2023

Page No. 1

Page No. 2

Page No. 3

Page No. 4

Page No. 5

Page No. 6

Page No. 7

Page No. 8

Page No. 9

Page No. 10

Page No. 11

Page No. 12

Page No. 13

Page No. 14

Page No. 15

Page No. 16

Page No. 17

Page No. 18

Page No. 19

Page No. 20

Page No. 21

Page No. 22

Page No. 23

Page No. 24

Page No. 25

Page No. 26

Page No. 27

Page No. 28

Page No. 29

Page No. 30

Page No. 31

Page No. 32

Page No. 33

Page No. 34

Page No. 35

Page No. 36

Page No. 37

Page No. 38

Page No. 39

Page No. 40

Page No. 41

Page No. 42

Page No. 43

Page No. 44

Page No. 45

Page No. 46

Page No. 47

Page No. 48

Page No. 49

Page No. 50

Page No. 51

Page No. 52

Page No. 53

Page No. 54

Page No. 55

Page No. 56

Page No. 57

Page No. 58

Page No. 59

Page No. 60

Page No. 61

Page No. 62

Page No. 63

Page No. 64

Page No. 65

Page No. 66

Page No. 67

Page No. 68

Page No. 69

Page No. 70

Page No. 71

Page No. 72

Page No. 73

Page No. 74

Page No. 75

Page No. 76

Page No. 77

Page No. 78

Page No. 79

Page No. 80

Page No. 81

Page No. 82

Page No. 83

Page No. 84

Page No. 85

Page No. 86

Page No. 87

Page No. 88

Page No. 89

Page No. 90

Page No. 91

Page No. 92

Page No. 93

Page No. 94

Page No. 95

Page No. 96

Page No. 97

Page No. 98

Page No. 99

Page No. 100

Page No. 101

Page No. 102

Page No. 103

Page No. 104

Page No. 105

Page No. 106

Page No. 107

Page No. 108

Page No. 109

Page No. 110

Page No. 111

Page No. 112

Page No. 113

Page No. 114

Page No. 115

Page No. 116

Page No. 117

Page No. 118

Page No. 119

Page No. 120

Page No. 121

Page No. 122

Page No. 123

Page No. 124

Page No. 125

Page No. 126

Page No. 127

Page No. 128

Page No. 129

Page No. 130

Page No. 131

Page No. 132

Page No. 133

Page No. 134

Page No. 135

Page No. 136

Page No. 137

Page No. 138

Page No. 139

Page No. 140

Page No. 141

Page No. 142

Page No. 143

Page No. 144

Page No. 145

Page No. 146

Page No. 147

Page No. 148

Page No. 149

Page No. 150

Page No. 151

Page No. 152

Page No. 153

Page No. 154

Page No. 155

Page No. 156

Page No. 157

Page No. 158

Page No. 159

Page No. 160

Page No. 161

Page No. 162

Page No. 163

Page No. 164

Page No. 165

Page No. 166

Page No. 167

Page No. 168

Page No. 169

Page No. 170

Page No. 171

Page No. 172

Page No. 173

Page No. 174

Page No. 175

Page No. 176

Page No. 177

Page No. 178

Page No. 179

Page No. 180

Page No. 181

Page No. 182

Page No. 183

Page No. 184

Page No. 185

Page No. 186

Page No. 187

Page No. 188

Page No. 189

Page No. 190

Page No. 191

Page No. 192

Page No. 193

Page No. 194

Page No. 195

Page No. 196

Page No. 197

Page No. 198

Page No. 199

Page No. 200

Page No. 201

Page No. 202

Page No. 203

Page No. 204

Page No. 205

Page No. 206

Page No. 207

Page No. 208

Page No. 209

Page No. 210

Page No. 211

Page No. 212

Page No. 213

Page No. 214

Page No. 215

Page No. 216

Page No. 217

Page No. 218

Page No. 219

Page No. 220

Page No. 221

Page No. 222

Page No. 223

Page No. 224

Page No. 225

Page No. 226

Page No. 227

Page No. 228

Page No. 229

Page No. 230

Page No. 231

Page No. 232

Page No. 233

Page No. 234

Page No. 235

Page No. 236

Page No. 237

Page No. 238

Page No. 239

Page No. 240

Page No. 241

Page No. 242

Page No. 243

Page No. 244

Page No. 245

Page No. 246

Page No. 247

Page No. 248

Page No. 249

Page No. 250

Page No. 251

Page No. 252

Page No. 253

Page No. 254

Page No. 255

Page No. 256

Page No. 257

Page No. 258

Page No. 259

Page No. 260

Page No. 261

Page No. 262

Page No. 263

Page No. 264

Page No. 265

Page No. 266

Page No. 267

Page No. 268

Page No. 269