

Assignment No. 02

Outputs :

P1)

The screenshot shows the Microsoft Access application interface. The ribbon at the top has tabs for File, Home, Create, External Data, Database Tools, Help, Fields, Table, and a search bar. The 'Home' tab is selected. On the left, the navigation pane shows 'All Access ...' and a list of tables, with 'books' highlighted. The main area displays a table named 'books' with the following data:

ID	Title	Author	Field1	Click to Add
1	Java A primer	E Balgurusamy	2004	
2	OCA Java SE 8	Kathy Sierra, Be	2008	
3	Core Java An Int	Dr. R. Nageswari	2014	
4	Head First Java	Kathy Sierra anc	2003	
5	Effective Java	oshua Bloch	2001	
6	Thinking in Java	Bruce Eckel	1998	
7	The Java Languag	ames J. Gosling,	1996	
8	Java The Compl	Herbert Schildt	1997	
*	(New)			

MSAccess database file

```

Book Title : OCA Java SE 8
Book Author : Kathy Sierra, Bert Bates, and Elisabeth Robson
Book Year : 2008

Book Title : Core Java An Integrated Approach (Black Book)
Book Author : <font color="#333333">Dr. R. Nageswara Rao</font>
Book Year : 2014

Book Title : Head First Java
Book Author : Kathy Sierra and Bert Bates
Book Year : 2003

Book Title : Effective Java
Book Author : oshua Bloch
Book Year : 2001

Book Title : Thinking in Java
Book Author : Bruce Eckel
Book Year : 1998

Book Title : The Java Language Specification
Book Author : ames J. Gosling, Bill Joy, Jr. Steele, Guy L., Gilad Bracha, Alex Buckley, Guy L. Steele Jr.
Book Year : 1996

Book Title : Java The Complete Reference
Book Author : &nbsp;Herbert Schildt
Book Year : 1997

Process finished with exit code 0

```

P1. Output (Fetching books)

Q.2)

```
D:\_3rdYrNotes\IT-3rd-year-notes\6th Sem\Advance Java\1907011\Assignment_02\Q2>java Q2
ID      : 1907011
Name    : PRATYAY DHOND
Branch  : Information Technology
Branch Code : 7
Date of Birth : 2003-03-20
Gender   : Male

ID      : 1907025
Name    : PRIYANSHU LAPKALE
Branch  : Information Technology
Branch Code : 7
Date of Birth : 2003-09-06
Gender   : Male

ID      : 1907029
Name    : Manthan Ghonge
Branch  : Information Technology
Branch Code : 7
Date of Birth : 2003-02-17
Gender   : Male

ID      : 1913018
Name    : Gunjan Ghuguskar
Branch  : Computer Science
Branch Code : 13
Date of Birth : 2003-04-24
Gender   : Female

ID      : 1913021
Name    : Tanushree Kakde
Branch  : Computer Science
Branch Code : 13
Date of Birth : 2003-05-31
Gender   : Female
```

Q.2. Output

```
MariaDB [JDBC]> SELECT * FROM STUDENT
-> ;
+-----+-----+-----+-----+-----+
| RollNo | Name           | Date_of_birth | Gender | Branch_Code |
+-----+-----+-----+-----+-----+
| 1907011 | PRATYAY DHOND | 2003-03-20    | 0      | 7          |
| 1907025 | PRIYANSHU LAPKALE | 2003-09-06    | 0      | 7          |
| 1907029 | Manthan Ghonge | 2003-02-17    | 0      | 7          |
| 1913018 | Gunjan Ghuguskar | 2003-04-24    | 1      | 13         |
| 1913021 | Tanushree Kakde | 2003-05-31    | 1      | 13         |
+-----+-----+-----+-----+-----+
```

Q.2. Student table

```
MariaDB [JDBC]> SELECT * FROM BRANCH;
+-----+-----+
| BRANCH_CODE | BRANCH_NAME        |
+-----+-----+
| 7          | Information Technology |
| 13         | Computer Science     |
+-----+-----+
```

Q.2. Branch Table

Q.3

```
D:\_3rdYrNotes\IT-3rd-year-notes\6th Sem\Advance Java\1907011\Assignment_02\Q3>java Q3
Query No. 1
-----
null
null
null
null
null

Query No. 2
-----
PRATYAY DHOND
Priyanshu Lapkale
Harsh Naidu
Manthan Ghonge
Varad Nimbarate

Query No. 3
-----
```

Q. 3. Output

ID	NAME	SALARY
1	PRATYAY DHOND	80000
2	Priyanshu Lapkale	80000
3	Harsh Naidu	78000
4	Manthan Ghonge	75000
5	Varad Nimbarate	75000

Employee table

Q.4

```
D:\_3rdYrNotes\IT-3rd-year-notes\6th Sem\Advance Java\1907011\Assignment_02\Q4>java Q4
Query no 1
-----
Roll No : 191519
Name    : Anoushka Nasikkar
city    : Nasik
marks   : 90
Course  : BBA (C.A)

Query no 2
-----
Course no      Fees      Course Name
103           16800     C
105           14400     RDBMS
106           16800     OOPS
51            18577     BBA (C.A)
```

Q.4 Output (Query 1 and 2)

```

Query no 3
-----
Roll No : 191519
Name    : Anoushka Nasikkar
city    : Nasik
marks   : 90
Course  : BBA (C.A)

Roll No : 191521
Name    : Gaurav Sharma
city    : Pune
marks   : 89
Course  : C++

Roll No : 1907029
Name   : Manthan Ghonge
city   : Pune
marks  : 90
Course : Advance Java

Roll No : 1907011
Name   : Pratyay Dhond
city   : Nasik
marks  : 98
Course : Advance Java

Query no 4
-----
Roll No : 191521
Name   : Gaurav Sharma
city   : Pune
marks  : 89
Course : C++
fees   : 21600

```

Q4 Output (Query 3 and Query 4)

MariaDB [JDBC]> SELECT * FROM Q4_STUDENT;					
Roll_No	Name	city	marks	c_no	
1907011	Pratyay Dhond	Nasik	98	101	
1907011	Pratyay Dhond	Nasik	100	102	
1907011	Pratyay Dhond	Nasik	96	103	
1907011	Pratyay Dhond	Nasik	98	106	
1907011	Pratyay Dhond	Nasik	97	105	
1907011	Pratyay Dhond	Nasik	93	104	
1907025	Priyanshu Lapkale	Nagpur	93	101	
1907025	Priyanshu Lapkale	Nagpur	95	102	
1907025	Priyanshu Lapkale	Nagpur	95	103	
1907025	Priyanshu Lapkale	Nagpur	100	104	
1907025	Priyanshu Lapkale	Nagpur	96	105	
1907025	Priyanshu Lapkale	Nagpur	95	106	
1907029	Manthan Ghonge	Pune	90	101	
1907029	Manthan Ghonge	Pune	92	102	
1907029	Manthan Ghonge	Pune	92	103	
1907029	Manthan Ghonge	Pune	93	104	
1907029	Manthan Ghonge	Pune	93	105	
1907029	Manthan Ghonge	Pune	92	106	
1907054	Varad Nimbarte	Bhandara	93	101	
1907054	Varad Nimbarte	Bhandara	95	102	
1907054	Varad Nimbarte	Bhandara	95	103	
1907054	Varad Nimbarte	Bhandara	96	104	
1907054	Varad Nimbarte	Bhandara	96	105	
1907054	Varad Nimbarte	Bhandara	95	106	
191519	Anoushka Nasikkar	Nasik	90	51	
191521	Gaurav Sharma	Pune	89	102	

Q4_STUDENT TABLE

c_no	cname	fees
101	Advance Java	24000
102	C++	21600
103	C	16800
104	Web Development	26400
105	RDBMS	14400
106	OOPS	16800
51	BBA (C.A)	18577

Q4-COURSE TABLE

Q.5)

```
D:\_3rdYrNotes\IT-3rd-year-notes\6th Sem\Advance Java\1907011\Assignment_02\Q5>java Q5
Doctor ID      : 20220601
Doctor Name    : Dr. Deshpande
Doctor Address : Shankar Nagar,Nagpur
Hospital No   : 310001
Hospital Name  : Apollo
Hospital Address : Mankapur,Nagpur
Joining Date   : 2021-06-13

Doctor ID      : 20220601
Doctor Name    : Dr. Deshpande
Doctor Address : Shankar Nagar,Nagpur
Hospital No   : 310003
Hospital Name  : Neuron
Hospital Address : Bardi,Nagpur
Joining Date   : 2021-03-13

Doctor ID      : 20220602
Doctor Name    : Dr. Murphy
Doctor Address : Avenue,new York
Hospital No   : 310002
Hospital Name  : HealthCare
Hospital Address : Avenue,New York
Joining Date   : 2021-03-13

Doctor ID      : 20220603
Doctor Name    : Dr. Sudha
Doctor Address : Piplaphata,Nagpur
Hospital No   : 310003
Hospital Name  : Neuron
Hospital Address : Bardi,Nagpur
Joining Date   : 2021-05-13
```

Q.5. Output

hno	hname	street	hcity
310001	Apollo	Mankapur	Nagpur
310002	HealthCare	Avenue	New York
310003	Neuron	Bardi	Nagpur

Q.5. Hospital Table

```
MariaDB [JDBC]> SELECT * FROM DOCTOR;
+-----+-----+-----+-----+
| dno   | dname    | address   | dcity   |
+-----+-----+-----+-----+
| 20220601 | Dr. Deshpande | Shankar Nagar | Nagpur |
| 20220602 | Dr. Murphy   | Avenue     | new York |
| 20220603 | Dr. Sudha    | Piplaphata | Nagpur |
+-----+-----+-----+-----+
3 rows in set (0.001 sec)
```

Q.5. Doctor TABLE

```
MariaDB [JDBC]> SELECT * FROM DOCHOSP;
+-----+-----+-----+
| dno   | hno     | date    |
+-----+-----+-----+
| 20220601 | 310001 | 2021-06-13 |
| 20220601 | 310003 | 2021-03-13 |
| 20220602 | 310002 | 2021-03-13 |
| 20220603 | 310003 | 2021-05-13 |
+-----+-----+-----+
```

Q.5. DOCHOSP TABLE

Q.6)

```
MariaDB [JDBC]> SHOW COLUMNS FROM JDBC.Q6_Patient;
+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra       |
+-----+-----+-----+-----+
| opdno | int(11)   | NO  | PRI | NULL    | auto_increment |
| pat_name | varchar(255) | YES |     | NULL    |             |
| addr  | varchar(255) | YES |     | NULL    |             |
| disease | varchar(255) | YES |     | NULL    |             |
+-----+-----+-----+-----+
4 rows in set (0.005 sec)
```

Q.6. Patient table(base schema)

```
MariaDB [JDBC]> SHOW COLUMNS FROM JDBC.Q6_Doctor;
+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra       |
+-----+-----+-----+-----+
| dno   | int(11)   | NO  | PRI | NULL    | auto_increment |
| dname | varchar(255) | YES |     | NULL    |             |
| dcity | varchar(255) | YES |     | NULL    |             |
+-----+-----+-----+-----+
3 rows in set (0.007 sec)
```

Q.6 Doctor table (base schema)

```
Query no 1
-----
Values inserted into tables successfully

Query no 2
-----
Name      : Mukesh
Address   : Panwadipur
Disease   : CANCER

Name      : Suresh
Address   : hawlapur
Disease   : CANCER

Name      : Murph
Address   : Chernobyl
Disease   : CANCER

Query no 3
-----
doctor no. : 1502
doctor name : Dr. May
doctor city : Pune

doctor no. : 1505
doctor name : Dr. Anoushka
doctor city : Pune

Query no 4
-----
No. of cancer patients: 5
```

Q.6. Output (Query 1 to Query 4)

```
Query no 5
-----
Column 'Discharge Date' Already Exists

Query no 6
-----
Name : Dr. Deshpande
No. of Patients : 3

Name : Dr. Murphy
No. of Patients : 2

Name : Dr. House
No. of Patients : 2

Name : Dr. Anoushka
No. of Patients : 1
```

Q.6. Output (Query 5 and Query 6)

MariaDB [JDBC]> SHOW COLUMNS FROM Q6_PATIENT;						
Field	Type	Null	Key	Default	Extra	
opdno	int(11)	YES		NULL		
pat_name	varchar(255)	YES		NULL		
addr	varchar(255)	YES		NULL		
disease	varchar(255)	YES		NULL		
Discharge_Date	date	YES		NULL		

Q.6) Patient table (Updated)

Q.7>

D:_3rdYrNotes\IT-3rd-year-notes\6th Sem\Advance Java\1907011\Assignment_02\Q7>java Q7

```
Supplier id      : 101
Supplier name    : Samsung
Supplier address : Korea
Item No         : 1001
Item name       : Galaxy Tab S7 FE
item stock      : 150
Price           : Rs. 40000/-

Supplier id      : 101
Supplier name    : Samsung
Supplier address : Korea
Item No         : 1002
Item name       : Galaxy Tab S7+
item stock      : 300
Price           : Rs. 79990/-

Supplier id      : 101
Supplier name    : Samsung
Supplier address : Korea
Item No         : 1003
Item name       : Galaxy Tab S7
item stock      : 200
Price           : Rs. 64990/-

Supplier id      : 101
Supplier name    : Samsung
Supplier address : Korea
Item No         : 1004
Item name       : Galaxy Tab S8
item stock      : 2500
Price           : Rs. 54990/-

Supplier id      : 101
Supplier name    : Samsung
Supplier address : Korea
Item No         : 1005
Item name       : Galaxy Tab S8+
item stock      : 2000
Price           : Rs. 79990/-

Supplier id      : 101
Supplier name    : Samsung
Supplier address : Korea
Item No         : 1006
Item name       : Galaxy Tab S8+ ULTRA
item stock      : 1200
Price           : Rs. 99990/-
```

```
Supplier id      : 102
Supplier name    : Apple
Supplier address : America
Item No         : 1007
Item name       : iPhone 12
item stock      : 800
Price           : Rs. 69990/-

Supplier id      : 102
Supplier name    : Apple
Supplier address : America
Item No         : 1008
Item name       : iPhone 13
item stock      : 1500
Price           : Rs. 89990/-

Supplier id      : 102
Supplier name    : Apple
Supplier address : America
Item No         : 1009
Item name       : iPhone 13 Pro Max
item stock      : 1200
Price           : Rs. 149990/-

Supplier id      : 102
Supplier name    : Apple
Supplier address : America
Item No         : 1010
Item name       : iPhone 13 Pro
item stock      : 80000
Price           : Rs. 119990/-

Supplier id      : 103
Supplier name    : MI
Supplier address : China
Item No         : 1011
Item name       : Redmi Note 8 Pro
item stock      : 100
Price           : Rs. 18990/-
```

```
Supplier id      : 103
Supplier name    : MI
Supplier address : China
Item No         : 1013
Item name       : Redmi Note 10 Lite
item stock      : 1500
Price           : Rs. 19490/-

Supplier id      : 103
Supplier name    : MI
Supplier address : China
Item No         : 1014
Item name       : Redmi Note 10 Pro
item stock      : 1500
Price           : Rs. 21990/-
```

Q.7. Output

Supno	Itemno	rate
101	1001	40000
101	1002	79990
101	1003	64990
101	1004	54990
101	1005	79990
101	1006	99990
102	1007	69990
102	1008	89990
102	1009	149990
102	1010	119990
103	1011	18990
103	1012	16990
103	1013	19490
103	1014	21990

Q.7. Supp_Item table

Supno	sname	supaddress
101	Samsung	Korea
102	Apple	America
103	MI	China

Q.7. Supplier table

Itemno	Iname	stock
1001	Galaxy Tab S7 FE	150
1002	Galaxy Tab S7+	300
1003	Galaxy Tab S7	200
1004	Galaxy Tab S8	2500
1005	Galaxy Tab S8+	2000
1006	Galaxy Tab S8+ ULTRA	1200
1007	IPhone 12	800
1008	IPhone 13	1500
1009	IPhone 13 Pro Max	1200
1010	IPhone 13 Pro	80000
1011	Redmi Note 8 Pro	100
1012	Redmi Note 8	1000
1013	Redmi Note 10 Lite	1500
1014	Redmi Note 10 Pro	1500

Q.7. ITEM table

Q.8)

```
D:\_3rdYrNotes\IT-3rd-year-notes\6th Sem\Advance Java\1907011\Assignment_02\Q8>java Q8

Employee ID : 101
Employee name : Pratyay Dhond
Project ID : 1
Project name : Linux Update

Employee ID : 101
Employee name : Pratyay Dhond
Project ID : 5
Project name : Campus Ambassador Program

Employee ID : 102
Employee name : Manthan Ghonge
Project ID : 2
Project name : Ubuntu Security Patches

Employee ID : 103
Employee name : Priyanshu Lapkale
Project ID : 4
Project name : Ubuntu Libraries for Smartphone

Employee ID : 103
Employee name : Priyanshu Lapkale
Project ID : 6
Project name : Open Source at Bell Labs

Employee ID : 104
Employee name : Varad Nimbarate
Project ID : 3
Project name : Android Software Development
```

Q.8 . Output

```
MariaDB [jdbc]> SELECT * FROM EMPPROJECT;
+-----+-----+
| empID | projectID |
+-----+-----+
| 101   |      1  |
| 101   |      5  |
| 102   |      2  |
| 103   |      4  |
| 104   |      3  |
| 103   |      6  |
+-----+-----+
```

Q.8 . EMPPROJECT TABLE

```
MariaDB [jdbc]> SELECT * FROM Q8_EMPLOYEE;
+-----+-----+-----+
| id   | name           | goneToVacation |
+-----+-----+-----+
| 101  | Pratyay Dhond |          0  |
| 102  | Manthan Ghonge |          0  |
| 103  | Priyanshu Lapkale |        0  |
| 104  | Varad Nimbarate |        0  |
| 105  | Harsh Naidu    |          1  |
+-----+-----+-----+
```

Q.8? Q8-EMPLOYEE TABLE

id	name	assignedTo
1	Linux Update	101
2	Ubuntu Security Patches	102
3	Android Software Development	104
4	Ubuntu Libraries for Smartphone	103
5	Campus Ambassador Program	101
6	Open Source at Bell Labs	103

Q.8) Q8_PROJECT TABLE

Q.9>

D:_3rdYrNotes\IT-3rd-year-notes\6th Sem\Advance Java\1907011\Assignment_02\Q9>java Q9

Item No. : 101 Item Name : Aata Noodles Item Quantity : 500 Supplier No. : 1 Supplier Name : Patanjali Supplier Address : RamdevBaba Villa Supply Date : 2021-06-05	Item No. : 104 Item Name : Biscuits Item Quantity : 1500 Supplier No. : 1 Supplier Name : Patanjali Supplier Address : RamdevBaba Villa Supply Date : 2020-04-19
Item No. : 102 Item Name : Face Wash (Neem) Item Quantity : 500 Supplier No. : 1 Supplier Name : Patanjali Supplier Address : RamdevBaba Villa Supply Date : 2021-06-15	Item No. : 105 Item Name : CornFlakes Item Quantity : 750 Supplier No. : 1 Supplier Name : Patanjali Supplier Address : RamdevBaba Villa Supply Date : 2020-09-19
Item No. : 103 Item Name : Hair Conditioner Item Quantity : 500 Supplier No. : 1 Supplier Name : Patanjali Supplier Address : RamdevBaba Villa Supply Date : 2021-07-15	Item No. : 201 Item Name : Rice Item Quantity : 750 Supplier No. : 2 Supplier Name : Aashirvad Supplier Address : Aashirvad Nagar Supply Date : 2022-01-19
	Item No. : 202 Item Name : Wheat Item Quantity : 1250 Supplier No. : 2 Supplier Name : Aashirvad Supplier Address : Aashirvad Nagar Supply Date : 2022-02-28

Q.9> Output

```
MariaDB [jdbc]> SELECT * FROM Po;
```

P_no	P_date
101	2021-06-05
102	2021-06-15
103	2021-07-15
103	2022-01-15
104	2020-04-19
105	2020-09-19
201	2022-01-19
202	2022-02-28

Q.9) Po database

```
MariaDB [jdbc]> SELECT * FROM Q9_Item;
```

I_no	I_name	I_Qty	supplierKey
101	Aata Noodles	500	1
102	Face Wash (Neem)	500	1
103	Hair Conditioner	500	1
104	Biscuits	1500	1
105	CornFlakes	750	1
201	Rice	750	2
202	Wheat	1250	2

Q.9) Q9_Item database

```
MariaDB [jdbc]> SELECT * FROM Q9_Supplier;
```

S_no	S_name	S_addr
1	Patanjali	RamdevBaba Villa
2	Aashirvad	Aashirvad Nagar

Q.9) Q9_Supplier database

Q.10>

```
D:\_3rdYrNotes\IT-3rd-year-notes\6th Sem\Advance Java\1907011\Assignment_02\Q10>java Q10
ID      : 1
Name    : PRATYAY DHOND
Salary  : 80000

ID      : 2
Name    : Priyanshu Lapkale
Salary  : 80000

ID      : 3
Name    : Harsh Naidu
Salary  : 78000

ID      : 4
Name    : Manthan Ghonge
Salary  : 75000

ID      : 5
Name    : Varad Nimbarate
Salary  : 75000
```

Q.10> Output

```
MariaDB [jdbc]> SHOW COLUMNS FROM EMPLOYEE;
+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| ID    | int(11)   | NO   | PRI | NULL    |       |
| NAME  | varchar(255)| YES  |     | NULL    |       |
| SALARY | int(11)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
3 rows in set (0.080 sec)
```

Q.10>Employee table