

Program 12

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
name			
Jenny			

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
name	agee		
Harjot	55		
Srikanth	43		

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
city			
Delhi			
Mumbai			

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
max(dose1)	min(dose2)		
2022-01-01	2021-07-20		

Program 13

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
POW(2,3)			
8			

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
length("Informatics Practices")			
21			

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
LEFT("INDIA",3)	RIGHT("Computer Science",4)		
IND	ence		

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
YEAR("1979/11/26")	MONTH("1979/11/26")	DAY("1979/11/26")	MONTHNAME("1979/11/26")
1979	11	26	November

PROGRAM 14

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	Grade	avg(Agee)			
▶	A	17.6667			
	B	17.5000			
	C	17.0000			

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	name				
▶	Bob				
	Charlie				
	Eva				

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	grade	MaxAge			
▶	A	18			
	B	19			
	C	17			

Result Grid					Filter Rows:	Export:	Wrap Cell Content:
	StudentID	Name	Agee	Grade			
▶	103	Bob	17	C			

Program 15

```

Enter 1 to push element
Enter 2 to pop last element
Enter 3 to peep last element
Enter 4 to check if stack is empty:4
Stack is underflow.
Enter 1 to push element
Enter 2 to pop last element
Enter 3 to peep last element
Enter 4 to check if stack is empty:|

```

```

Enter 1 to push element
Enter 2 to pop last element
Enter 3 to peep last element
Enter 4 to check if stack is empty:1
Enter an element:CS
Element CS is added to the stack.
Enter 1 to push element
Enter 2 to pop last element
Enter 3 to peep last element
Enter 4 to check if stack is empty:1
Enter an element:Lab
Element Lab is added to the stack.
Enter 1 to push element
Enter 2 to pop last element
Enter 3 to peep last element
Enter 4 to check if stack is empty:1
Enter an element:Manual
Element Manual is added to the stack.

Enter 1 to push element
Enter 2 to pop last element
Enter 3 to peep last element
Enter 4 to check if stack is empty:2
Manual

```

```

Enter 1 to push element
Enter 2 to pop last element
Enter 3 to peep last element
Enter 4 to check if stack is empty:3
The last added element is Lab

```

Program 16

```

Do you want to enter an item? Type y for yes and n for no:y
Enter item details as follows
Enter Item Name:TV
Enter Description:Telecommunication device used for entertainment
Enter price:50000
Records written successfully!
Do you want to enter an item? Type y for yes and n for no:j
Invalid input
Do you want to enter an item? Type y for yes and n for no:n

```

	A	B	C
1	ItemName	Description	Price
2			
3	TV	Telecommunication device used for entertainment	50000
4			

Program 17

LONDON
NEW YORK

Program 18

**India is the fastest growing economy.
India is looking for more investments around the globe.
The whole world is looking at India as a great market.
Most citizens of India can foresee the heights that India is capable of reaching.**

```
The word 'India' occurs maximum no. of times, i.e. 5 times.  
Other words have these frequencies:  
[['India', 5], ['is', 4], ['the', 3], ['fastest', 1], ['growing', 1], ['economy.', 1], ['looking', 2], ['for', 1], ['more', 1], ['investments', 1], ['around', 1], ['globe.', 1], ['The', 1], ['whole', 1], ['world', 1], ['at', 1], ['as', 1], ['a', 1], ['great', 1], ['market.', 1], ['Most', 1], ['citizens', 1], ['of', 2], ['can', 1], ['foresee', 1], ['heights', 1], ['that', 1], ['capable', 1], ['reaching.', 1]]
```

Program 19

	10
2	8
4	6
6	4
8	2
10	

Program 20

```
CEP }"(CEtrans_id"M"&CEdate"CE  
22-01-2024"CEamount"G@| CE  
trans_type"CEDeposit"u.
```

```
Enter 1 to add a transaction  
Enter 2 to display all transactions  
Enter 3 to check current balance:1  
Enter transaction id:09876  
Enter transaction date (DD-MM-YYYY):22-01-2024  
Enter amount:6780  
Enter transaction type (Deposit/Withdrawal):deposit  
Transaction added successfully!
```

```
Enter 1 to add a transaction  
Enter 2 to display all transactions  
Enter 3 to check current balance:2  
ID: 9876 Date: 22-01-2024 Amount: 6780.0 Type: Deposit
```

```
Enter 1 to add a transaction  
Enter 2 to display all transactions  
Enter 3 to check current balance:3  
Current account balance is 6780.0
```

Program 21

ID	Name	Marks
101	Alice	65
102	Bob	32
103	Charlie	92

Alice Pass

Bob Fail

Charlie Pass

Program 22

	Book_Name	Author_Name	Price
▶	The Tears	William Hopkins	650
	Thunderbolts	Anna Roberts	750

	price	publishers
▶	405	EPB
	400	EPB

Author_Name	Price
Anna Roberts	750
William Hopkins	650
A.W. Rossaine	350
Brian and Brooke	350
Lata Kapoor	355

	book_Id	Book_Name	Quantity_Issued
▶	C0001	Fast Cook	5
	F0001	The Tears	2
	T0001	My First C+	4

Program 23

	sale_id	sale_date	total_amount
▶	101	2023-01-15	150
	103	2023-03-10	50

	city	total_sales
▶	Chicago	300
	New York	200
	Los Angeles	200

	sale_id	sale_date	total_amount	customer_name
▶	101	2023-01-15	150	John Doe
	103	2023-03-10	50	Bob Johnson

	total_amount	customer_name
▶	200	Alice Smith
	300	Sarah Lee

Program 24

Book_Id	Book_Name	Author_Name	Publishers	Price	Type	Qty
C0001	Fast Cook	Lata Kapoor	EPB	405	Cookery	5
F0001	The Tears	William Hopkins	First Publ.	650	Fiction	20
T0001	My First C+	Brian and Brooke	EPB	400	Text	10
T0002	C++ Brainworks	A.W. Rossaine	TDH	350	Text	15
F0002	Thunderbolts	Anna Roberts	First Publ.	750	Fiction	50

```

('Lata Kapoor',)
('William Hopkins',)
('Brian and Brooke',)

```

Program 25

```

Database created or already exists.
Table created or already exists.
My SQL connection closed.

```

```

cs
dm
information_schema
items
mysql
newdb2
performance_schema

```

	Tables_in_cs
►	bookworld

Program 26

```

Enter book id:123
Enter title of the book:Harry Potter
Enter name of the author:JK Rowling
Do you want to enter another record? (yes/no)yes
Enter book id:345
Enter title of the book:Sapiens
Enter name of the author:Yuval Harari
Do you want to enter another record? (yes/no)YES
Enter book id:567
Enter title of the book:Becoming
Enter name of the author:Michelle
Do you want to enter another record? (yes/no)no
Records inserted successfully!

```

	Book_ID	Book_Title	Author_Name
►	123	Harry Potter	JK Rowling
	345	Sapiens	Yuval Harari
	567	Becoming	Michelle

Program 27

```

Book_ID      int
book_title   varchar(50)
Author_Name  varchar(25)

```

Book_ID	book_title	Author_Name
123	To Kill a Mockingbird	Harper Lee
345	Sapiens	Yuval Harari
567	Becoming	Michelle

