1.

create table carti

(

nr INTEGER CHECK (nr >= 0 AND nr <= 9999),

titlu VARCHAR(20),

autor VARCHAR(20),

editura VARCHAR(20),

pagini INT,

datap DATE,

pret DECIMAL(5,2) CHECK (pret <= 999.99),

);

2.

insert into CARTI values(1,'Povesti','Ion Creanga','Teora','200','12-MAR-2004',10);

select \* from CARTI;

insert into CARTI values(2,'Basme','Petre Ispirescu','Teora','100','02-JAN-1990',9.99);

select \* from CARTI;

insert into CARTI values(1,'Poezii','Mihai Eminescu','Caro','50','23-DEC-2003',5);

select \* from CARTI;

3.

insert into CARTI values(4,'Mara','Ion Slavici','Mirton',NULL,'02-MAR-2001',11.50);

select \* from CARTI;

insert into CARTI values(5,'Ion','Liviu Rebreanu',NULL,'300','04-JUL-1994',NULL);

select \* from CARTI;

insert into CARTI values(6,'Poezii','Ion Barbu','BPT','250',NULL,55.02);

select \* from CARTI;

4.

update CARTI set NR='3' where Autor='Mihai Eminescu';

select \* from CARTI;

5.

update CARTI set PRET=PRET+0.1\*PRET;

select \* from CARTI;

6.

select distinct EDITURA from Carti where EDITURA IS NOT NULL;

7.

ALTER TABLE CARTI ADD CATEGORIA VARCHAR(30);

UPDATE CARTI SET CATEGORIA = 'beletristica';

8.

ALTER TABLE CARTI

ALTER COLUMN NR INT NOT NULL;

ALTER TABLE CARTI ADD CONSTRAINT c\_nr PRIMARY KEY (NR);

insert into CARTI values(4,'HTML','John Doe','Mirton',NULL,'02-MAR-2005',20,'Tehnica');

insert into CARTI values(NULL,'HTML','John Doe','Mirton',NULL,'02-MAR-2005',20,'tehnica');

9.

insert into CARTI values(7,'HTML','John Doe','Mirton',NULL,'02-MAR-2005',20,'tehnica');

insert into CARTI values(8,'Roboti','Isac Asimov','Nemira',NULL,'23-JUL-1998',5,'SF');

Table

Description automatically generated

10.

select \* from CARTI

where DATAP <='01-JAN-2000';

Table

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11.

SELECT TITLU, AUTOR

FROM CARTI

WHERE YEAR(DATAP) > 1995 AND CATEGORIA = 'beletristica';

Graphical user interface, text, application, table

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12.

SELECT TITLU, AUTOR

FROM CARTI

WHERE YEAR(DATAP) > 1995 AND CATEGORIA = 'beletristica'

order by TITLU;

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SELECT TITLU, AUTOR

FROM CARTI

WHERE YEAR(DATAP) < 1995 AND CATEGORIA = 'beletristica'

ORDER BY Titlu;

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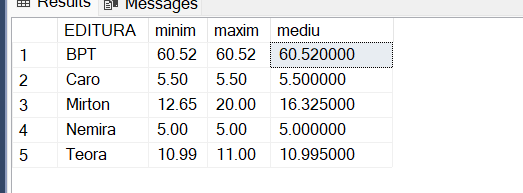
13.

SELECT EDITURA, MIN(PRET) AS minim, MAX(PRET) AS maxim, AVG(PRET) AS mediu

FROM CARTI

WHERE EDITURA IS NOT NULL

GROUP BY EDITURA;



14.

SELECT CATEGORIA,

MIN(DATEDIFF(day, DATAP, GETDATE())) AS minim,

MAX(DATEDIFF(day, DATAP, GETDATE())) AS maxim,

AVG(DATEDIFF(day, DATAP, GETDATE())) AS mediu,

COUNT(\*) AS exemplare

FROM CARTI

GROUP BY CATEGORIA;

Table

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15.

SELECT CATEGORIA,

MIN(DATEDIFF(year, DATAP, GETDATE())) AS minim,

MAX(DATEDIFF(year, DATAP, GETDATE())) AS maxim,

AVG(DATEDIFF(year, DATAP, GETDATE())) AS mediu,

COUNT(CATEGORIA) AS exemplare

FROM CARTI

GROUP BY CATEGORIA

ORDER BY CATEGORIA;

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16.

SELECT CATEGORIA,

MIN(DATEDIFF(YEAR, DATAP, GETDATE())) AS minim,

MAX(DATEDIFF(YEAR, DATAP, GETDATE())) AS maxim,

AVG(DATEDIFF(YEAR, DATAP, GETDATE())) AS mediu,

COUNT(CATEGORIA) AS exemplare

FROM CARTI Graphical user interface, table

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WHERE DATAP IS NOT NULL

GROUP BY CATEGORIA

ORDER BY CATEGORIA;

17.

DECLARE @first\_date DATE;

DECLARE @last\_date DATE;

DECLARE @v\_titlu VARCHAR(20);

DECLARE @v\_autor VARCHAR(20);

SET @first\_date = '01-01-1900' -- Replace with desired value

SET @last\_date = '12-31-2005' -- Replace with desired value

SELECT TITLU, AUTOR

FROM CARTI

WHERE DATAP BETWEEN CONVERT(DATETIME, @first\_date, 105) AND CONVERT(DATETIME, @last\_date, 105)

DECLARE c1 CURSOR FOR

SELECT TITLU, AUTOR FROM CARTI WHERE DATAP > @first\_date AND DATAP < @last\_date;

PRINT 'TITLU' + ' ' + 'AUTOR';

OPEN c1;

FETCH NEXT FROM c1 INTO @v\_titlu, @v\_autor;

WHILE @@FETCH\_STATUS = 0

BEGIN

PRINT @v\_titlu + ' ' + @v\_autor;

FETCH NEXT FROM c1 INTO @v\_titlu, @v\_autor;

END;

CLOSE c1;

DEALLOCATE c1;

Table

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