计算机科学与技术学院_数据库系统_课程实验报告

头	尬 题 E	1: 综合实验 2	学号: 20230013	80183						
日非	钥: 2	024/12/10	班级:23 级人工智	能	姓名: 宋浩宇					
Ema	Email: 2367651943@qq.com									
实验	佥软件		文版 23H2 22631.4317							
编辑		Visual Studio Code								
数排	居库:	SQL Server 2022								
数排	居库管	理工具: Microsof	SQL Server Managem	ent Studio	18					
	牛环境									
		` ′	e(TM) i9-13980HX	2.20 GHz						
	内存: 32.0 GB (31.6 GB 可用) 磁盘驱动器: NVMe WD BLACKSN850X2000GB									
	^盆		LACKSN830X2000G	<u> </u>						
1	ヹショ 一题	₹ :								
a)	N.C.									
SQL	_:									
SELE	CT									
FROM										
WHER	VIDEO									
	VID = 3	:5:								
结		-,								
	vid	name	description	chane1	content	length				
1	35	namiolmpz	ı fgdlwmqkts	电影	uwjexuvijk	3010				
b)										
SQL	_:									

```
SELECT
   [USER].*
FROM [USER]
JOIN POST ON [USER].UID = POST.UID
JOIN VIDEO ON POST.VID = VIDEO.VID
WHERE VIDEO.VID = 35;
结果:
   uid nickname gender dateofbirth
                                           idnum
                                                         profile
                                                                    userlevel
                          8920
                                       2535861706 xckzolaqua 6
1 69 jhhle
c)
SQL:
SELECT
  COUNT(*) AS "Number of Watching Videos"
FROM
WHERE
 WATCH.VID = 35;
结果:
    Number of Watching Videos
 1 10
d)
SQL:
SELECT
```

```
COUNT(*) AS "Number of Liked Videos"
FROM
WHERE
结果:
    Number of Liked Videos
1 0
e)
SQL:
SELECT
  COUNT(*) AS "Number of Collect on Videos"
FROM
 [COLLECT]
WHERE
结果:
    Number of Collect on Videos
1 2
f)
```

```
SQL:
SELECT
  COALESCE(SUM(COIN.AMOUNT),0) AS "Number of Coins the Videos"
FROM
WHERE
 COIN.VID = 35;
结果:
    Number of Coins the Videos
1 0
g)
SQL:
SELECT
FROM
WHERE
  [COMMENT].VID = 35
ORDER BY VIDEO_TIME;
结果:
```

	uid	vid	post_time	video_time	content	color
1	99	35	567	285	elwrhcgaolvfjfthxgqiinbrqclaowyj	
2	27	35	968	705	${\tt nxsmabpacbmwfsobsibjkxnqtwynykomfcpg}$	3
3	92	35	609	966	$\verb"oyjvjjvpppdulzmmemtkbohyttadwlialiqb"$	136
4	73	35	966	1155	juikinezuykrq	8
5	73	35	974	1404	ovoziurmaxqq	
6	73	35	959	1948	iqvtxekowqzbelrxzkinxuotirxhtbtgnuis	
7	24	35	992	2109	elrnjhfeuzlsdxcfcjnyodfvu	118
8	48	35	808	2134	srfluvykspjkjjzhdagtbenxlhscyjvbcvzu	
9	6	35	724	2196	dcmhpoiylta	95
10	6	35	880	2411	ucwdjrfnuftxklwesgiwouhtztpifuctqzgg	
11	48	35	475	2810	zqzpuqfnxvbjcqtsxrerjyitdjlzaomlslzk	120

第二题:

```
SELECT

*
FROM

(
SELECT

[NICKNAME],

COUNT(*) AS NUM

FROM

[USER]

JOIN POST

ON [USER].UID = POST.UID

GROUP BY

[USER].UID

)

ORDER BY

NUM DESC LIMIT 5;

结果:
```

```
NICKNAME NUM
1 jovjkdbfo 5
2 qtwhvekc 4
3 jrzkotrl 3
4 eiyaqqxw 3
5 kvxlhtsv 3
```

第三题:

```
SELECT
NICKNAME,
PROFILE,
[USERLEVEL],
NUM

FROM
(
SELECT
UID_FOLLOWED,
COUNT(*) AS NUM
FROM
FOLLOW
GROUP BY
UID_FOLLOWED
),
[USER]
MHERE
UID_FOLLOWED = USER.UID
ORDER BY
NUM DESC LIMIT 10;
```

	nickname	profile	userlevel	NUM
1	zhtxcvkk	dqvxblejla	0	28
2	blrqmzfmq	gumzbdlhwz	7	26
3	axddyxj	tucyyiwrwc	9	25
4	kqsfyvxkb	fxdwejrxev	1	25
5	kjebx	wyqlirinkm	4	25
6	yfsypq	jujpcvozxk	4	25
7	izyrv	dmbtcxpvux	2	25
8	icxglwt	fsoptpunyv	7	25
9	thyftbzn	fjzlykyvzm	6	25
10	sjbrpfh	frdvnpxmdf	2	25

第四题:

```
SELECT
VIDEO.[NAME],
VIDEO.CONTENT,
T.NUM

FROM
VIDEO,
(
SELECT
VID,
COUNT(*) AS NUM
FROM
WATCH
GROUP BY
VID
) AS T
WHERE
VIDEO.VID = T.VID
ORDER BY
T.NUM DESC LIMIT 10;

结果:
```

```
NUM
                content
      name
  tthcxlsgdy gyhxmgitlz 18
1
  rawlsnwcym iwknusxcsk 17
2
  bgktheendw gzgpaokigu 16
3
  stkunvohgi qfyghnlpdk 16
4
  jpbohfevdc mshfzbxtzr 16
5
  jhzaxhdjmx sgczkaatwg 15
6
  mtpplcobib yewstmfrox 14
7
  giiyjdhbgd grjnooopok 14
8
9 pjjwafqowp ljdspfqufi 14
10 vsbzgxczdf arvdrpzxfb 14
```

第五题:

```
SELECT
VIDEO.CHANEL,
COUNT(*) AS [SUM]

FROM
VIDEO
JOIN WATCH
ON VIDEO.VID = WATCH.VID

GROUP BY
VIDEO.CHANEL;

结果:
```

	chane1	SUM
1	VLOG	118
2	动画	17
3	生活	66
4	电影	93
5	电视剧	96
6	知识	54
7	纪录片	53
8	综艺	65
9	美食	81
10	运动	115
11	音乐	137
12	高效	107

第六题:

```
SELECT
VIDEO.[NAME],
VIDEO.CONTENT,
T.NUM

FROM
VIDEO,
(
SELECT
VID,
COUNT(*) AS NUM

FROM
WATCH
GROUP BY
VID
) AS T

WHERE
VIDEO.VID = T.VID
AND VIDEO.CHANEL = "美食"
```

```
ORDER BY
 T.NUM DESC LIMIT 5;
结果:
                                  NUM
                      content
        name
1 stkunvohgi qfyghnlpdk 16
2 fampzhdvnm zeumtggvnx 12
3 zklnoloyuk xrlmwivrao 12
4 pyoazvitgi cbbhvrycez 12
5 hxhojatmef voshbytgfk 10
第七题:
SQL:
SELECT
  VIDEO.CHANEL,
  COUNT(*) AS SUM
FROM
  VIDEO
 JOIN WATCH
 ON WATCH.VID = VIDEO.VID
 JOIN [USER]
  ON [USER].UID = WATCH.UID
WHERE
  [USER].UID = 15
```

GROUP BY

CHANEL

结果:

SUM DESC LIMIT 5;

```
chanel SUM
1 音乐 2
2 美食 1
3 综艺 1
4 纪录片 1
5 电影 1
```

第八题:

SQL:

```
VIDEO.NAME,
VIDEO.DESCRIPTION

FROM
VIDEO

JOIN WATCH

ON VIDEO.VID = WATCH.VID

WHERE

WATCH.UID = 15

AND WATCH.TIME > 900;
```

结果:

	name	description		
1	bomdodcvkj	daumgykldb		
2	bmmndibcso	nurgjnslzb		
3	hlumljfwiw	gxjhzfuxld		
4	wswcwtzfks	xomfatteld		

第九题:

SQL:

SELECT

```
[USER].NICKNAME,
[USER].PROFILE,
[USER].USERLEVEL

FROM

FOLLOW

JOIN [USER]

ON [USER].UID = FOLLOW.UID_FOLLOWER

WHERE

UID_FOLLOWED = 15;

结果:
```

	nickname	profile	userlevel
1	zceduuvo	jgnnwdohoz	7
2	vqysgb	asdijvlqmg	6
3	kjebx	wyqlirinkm	4
4	qokgtnaq	dgkhmegzgo	0
5	fyyfnxziq	fhepffkdmp	0
6	yfsypq	jujpcvozxk	4
7	ooygnjkt	mneegpvyfz	9
8	lonxxrn	whvgpweoqn	4
9	heoaew	qzbyhuhiam	0
10	jxoyhyxi	qktdlxesoc	8
11	czqvvned	mvanwfdrte	3
12	iptfzi	mecclpnfnz	7
13	uutyty	ddvmaqvoki	9
14	xhvklhqq	lhomvepcad	1
15	nulnqcut	xzvfvcmyol	4
16	nbnndo	yadcteqbel	8
17	blrqmzfmq	gumzbdlhwz	7
18	sqvxfwr	qzpuygernt	5
19	hmmwj	trduqheuuq	8
20	egwjpbkdf	fgzovbkvgm	1
21	iomug	hhgrwyfayd	0
22	ууртедхи	npsixxqesp	2
23	vdbhhxd	wtqbknaaqs	9

```
第十题:
SQL:
SELECT
   VIDEO.NAME,
  VIDEO.DESCRIPTION,
  POST.POST_TIME
FROM
  VIDEO
  JOIN POST
 ON POST.VID = VIDEO.VID
  JOIN FOLLOW
  ON FOLLOW.UID_FOLLOWED = POST.UID
   FOLLOW.UID_FOLLOWER = 15
ORDER BY
 POST.POST_TIME DESC;
结果:
```

	name	description	post_time	-
1	auauwwwaaq	rsmbxynqcu	985	
2	bmmndibcso	nurgjnslzb	960	
3	wswcwtzfks	xomfatteld	927	
4	vsbzgxczdf	yamxzfngnh	834	
5	gokxfchyix	ncabuddamg	826	
6	hxhojatmef	lmqhadjjti	798	
7	cfhnmsviqd	ttqlpjsrtk	674	
8	cfhnmsviqd	ttqlpjsrtk	674	
9	bomdodcvkj	daumgykldb	668	
10	wmjelytqvh	qaevyjzent	655	
11	oeptkiacjw	hsssaqsabc	606	
12	eueucjzoqn	havzlnmpdy	589	
13	syijyuacdd	iqszruucxt	572	
14	ouxhhemmtj	lirmhhdnye	528	
15	tpqkahonee	rjmstwxeub	412	
16	bdsenjnchd	dycoepxauk	400	
17	rltujnqjxr	tjleqkcfaq	393	
18	fampzhdvnm	knrrfxgrey	384	
19	yglxyrfpjb	zekzmksbsx	327	
20	txbnxuqmae	cyfandktrr	299	
21	akjdalybry	lsbtxpstkk	145	
22	opckirgfah	wjmbakaqkm	89	
23	fajlggoeux	ndehpfutwd	77	-
24	cftitpaofv	gplvvyducd	37	
25	stkunvohgi	nyityillwp	29	
26	ygtnmjiyuh	uoxiahofte	6	

```
第十一题:
SQL:
SELECT
  NICKNAME,
  PROFILE,
 USERLEVEL
FROM
  [USER]
WHERE
   (USER.UID, 15) IN (
        UID_FOLLOWER,
       UID_FOLLOWED
   AND (15, USER.UID) IN (
        UID_FOLLOWER,
         UID_FOLLOWED
         FOLLOW
```

结果:

	nickname	profile	userlevel
1	lonxxrn	whvgpweoqn	4
2	jxoyhyxi	qktdlxesoc	8
3	iptfzi	mecclpnfnz	7
4	xhvklhqq	lhomvepcad	1
5	blrqmzfmq	gumzbdlhwz	7
6	hmmwj	trduqheuuq	8
7	iomug	hhgrwyfayd	0