Міністерство освіти і науки України Національний університет «Львівська політехніка» Інститут комп'ютерних наук та інформаційних технологій Кафедра «Системи штучного інтелекту»



Лабораторна робота №13 3 предмету: «Організація баз даних та знань»

Тема: "Рекламне агентство"

Виконав студент групи КН-211 Кондрацький В. О. Прийняв Якимишин Х. М.

CREATE INDEX information_about_agencyINDX4 ON information_about_agency (information_about_agency_id, events);

SHOW INDEX FROM information_about_agency;

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Nut	Index_type	Comment
information about agency	Q	PRIMARY	1	information about agency id	A	3	200	0.000		BTREE	
information about agency	0	Contacts of agency id	1	Contacts of agency id	A	3	SUES .	1000		BTREE	
information about agency	1	information_about_agencyINDX3	1	information about agency id	A	3	EIII	(1000)		ETREE	
information about agency	1	information about agencyD4DX3		Events	A	3	CIIIS .	IDDES.		BTREE	
information about agency	1	information about agencyINDX4		information_about_agency_id	A	3	CHIEF CO.	HARRIS .		STREE	
information about agency	1	information about agencyINDX4		Events	A	1	EIII	1000		BTREE	

№2

CREATE UNIQUE INDEX mname_indx1 ON marketing_agency (information_about_agency_id, name);

SHOW INDEX FROM marketing_agency;

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Connent
marketing_agency	0	PRIMARY	1	marketing_agency_id	A	5	CARR	DAME.		BTREE	
marketing agency	0	UQ_marketing_agency_version	1	name	A	5	000	COURS.		BTREE	
marketing_agency	0	mname_indx	1	information_about_agency_id	A	3	CORR	COUR		BTREE	
marketing agency	0	mname_indx	2	name	A	5	17772	0003		BTREE	
marketing agency	0	mname indx1	1	information_about_agency_id	A	3	12723	DITTE .		STREE	
marketing agency	0	mname_indx1	2	name	A	5	COLUMN	COURS.		BTREE	

№3

EXPLAIN SELECT name_of_steps AS nos,

 $COUNT (marketing_agency_marketing_agency_id) \ AS \ amount$

FROM ((information_about_agency INNER JOIN marketing_agency)

INNER JOIN categories) INNER JOIN steps

ON information_about_agency.events=name

AND

 $information_about_agency.information_about_agency_id = marketing_agency.information_about_agency_id$

AND marketing_agency.marketing_agency_id=categories.marketing_agency_id

AND categories.steps_id=steps.steps_id

WHERE categories.time_of_using BETWEEN '2020-05-20' AND '2021-08-20' GROUP BY nos:

id	select_type	table	partitions	type	possible keys	key	key_len	ref	TOWN	Stered
1	SIMPLE	calegories	2203	ALL	Categories 9:0,Categories 9:1	D233	DESTR	COR	6	16.67
1	SOMPLE	marketing_agency	COST	eq_ref	PRIMARY,UQ_marketing_agency_version,mna	PRIMARY	4	marketing agency1.categories.marketing agen	1	100.00
1	SIMPLE	information_about_agency	12239	eq_ref	PRIMARY,information_about_agency@NDX3,info	PRIMARY	4	marketing_agency1.marketing_agency.informat	1	33.33
9	KTMPLE	stenc	COS	en ref	DETMARY	DOMARY	4	marketing agency Losterpries steek id		100.00

EXPLAIN SELECT STRAIGHT_JOIN name_of_steps AS nos,

COUNT(marketing_agency.marketing_agency_id) AS amount

FROM ((information_about_agency INNER JOIN marketing_agency)

INNER JOIN categories) INNER JOIN steps

ON information_about_agency.events=name

AND

 $information_about_agency.information_about_agency_id = marketing_agency.information_about_agency_id$

AND marketing_agency.marketing_agency_id=categories.marketing_agency_id

AND categories.steps_id=steps.steps_id

WHERE categories.time_of_using BETWEEN '2020-05-20' AND '2021-08-20' GROUP BY nos;

id	select_type	table	partitions	type	possible_keys	key	key_len	ref
1	SIMPLE	information_about_agency	00000	index	PRIMARY information_about_agency(NDX3,info	information_about_agency(NDX3	1026	C218
1	SOMPLE	marketing_agency	0.000	eq_ref	PRIMARY_UQ_marketing_agency_version_mns	UQ_marketing_agency_version	130	marketing_agency Linformation_about_agency
1	59MPLE	categories	1200	ref	Categories_fit0,Categories_fit1	Categories_fk0	4	marketing_agency1.marketing_agency.marketi
1	STYPLE	steps	COS	eg_ref.	PRIMARY	PRIMARY	4	marketing_agency1.categories.steps_id

Висновок

Допишу до 31 травня.