

مما ينفعه ملخص المحتوى

cg.. a prcnut rcclved nuy commist of data itcms policy numntet and aoxunt. but nny eist xeveral tines for oe poliey. ach ocutenee ofadata item will have vpecifie value (for evampie tie wabus of premnun wount' my he '¥91 25" or the vnluve of vehicle type' may he 'alon eurl; theaewlues will be rpresentadl in a suitable code. these logical data units can be tunsferred fairly cusily fom the clerical cxample to onc where programs. DBMS, and direct access storage replace the mamger, filing clerk. and iling eabinebs. Pwugrungs nay repueyt mn wxeurente uf a SLET by providing eitner i pmury or u xcondlary key (the primary key of a member rcorl). A nutnber of Syate aalyais wd desigN Dr. Ai Alyaaree Wasit Univer-iy- couplet aeieace wod tT tueuy RECORDS will hen he rerieved for the pmgram. whieh will manipulate the DATA ITtMS unl DATA AGGREGATES wun therein lphysieal chtabase unit input to and output from the cental ocessor in a computer tystem is accomnlished by a wunmand whish ewues noker, and the duta thus found uansfered la secundar slorage Jevice to be reud Imom oae indicator o to main mcmor- In the case of 1 mugneti mape, the indiewnrs will be imter shek gaps: in the euse af magnetie dlisks or dlnums, the irndicantors will be anlilress tarher. All he ddata reconled berween thee indie-tar form a phy sieal neorl sometinea known a a bloek or sestor. A PAGE may be ome or mare of these (eontiguous) physical rcotds.la practice. i is unhkely that a page will he looger tuan a tck of a houl be poisble to perform a multiple ptysical rxcord reud in a shont tinc to rctieve ج magnetic disk, and puge. Where itis possible to vury the size of phyaieal recoeds in a computerwystem. positive perturmunee xvantages wil be pined by muking the page 2e exaetly ewwal to the pyseal reunl se. A puge can eontain u number of reeonls. and a reeurd can spun mre nan one page. There may he different reenrd rypes to " puge heemre there is no retictinr m menrpage rehtiomship ARFA is simply a eolleeton of pages, nomally contiguuis. There is no need for an as1 to be reticted to disk pack. eylinder oF tuck bouindares. as an alca wil consist of 1 nultiple of pages. The spcification of areas provides a mcanns of physically scgmenting s2eoondury ¥orng: the puge is ¥enerally that pan of an irea whieh is rend into ntain orige MeveFy PU or put comman. k is the job ot mh DEMS t mateh requsk tom progcanns forset or nocord oreurenees and page ideniners (This is the COpASYI- approach. othner appmaches are diftrent in delail.) The database upprouch enables the introduction of the concepts of VIRTUAL ht and TRANSPARENT datu: VIRTUAL dat is the tern siven to dutu item types whose walues are ealeulated fmin other torl la items anl presenteu to a pgram only when they ure resued by that pogrum. TRANSPARENT Jutdl is the Sytem analyeas and deiyn D.Ai Alydare Wari Uetversty- cutpwler

مشاركة المنشآة حزد التخطيط