

VET Assessment

Used Car Database

STUDENT NAME:		YEAR:	Year 11, 2004
DATE GIVEN:		DATE DUE:	Tuesday Week 2, Term 3, 2004
ASSESSMENT LOCATION:	Homework Assessment Task to be completed during July school holiday break		
KEY TERMS AND CONCEPTS:	<p>Database terms you need to know are:-</p> <p>field, record, table, sort, query, Structured Query Language (SQL), Relational Database Management System, form, report, security, record locking</p>		
TASK DESCRIPTION:	<p><u>PART A: Creating the database.</u></p> <p>Create a database for "Tony's Used Cars" business. Do this by following the steps below:-</p> <ol style="list-style-type: none"> 1. Design a table called "Cars". It must contain ALL of the following fields and use correct data types:- make, model, year, mileage (km), price, registration number, transmission (manual or automatic), fuel, type (sedan, wagon, hatchback, sports, 4WD, people-mover). 2. Design a data entry screen (form) for the table above. Remember, all the data in a record should be visible on a single screen. The layout should look pleasing and uncluttered. The cursor should move down the screen in a logical order. 3. Test your database using test data (10 cars you have made up yourself) 4. Once your database has been tested and any adjustments made, delete the test data. Select 20 cars from the attached list and enter the cars' details. 5. Print out the list view (table) of your database in landscape format and annotate all the efficient and advanced software features you have used. <p><u>PART B: Querying the Database</u></p> <p>Tony uses the database continually to answer customer queries. He is also occasionally required to provide information to the police.</p> <ol style="list-style-type: none"> 6. Use Structured Query Language (SQL) to obtain the following information for Tony and print out the results. <ol style="list-style-type: none"> a. A customer comes into the car yard. She is looking for an automatic sedan in the price range \$15 000 - \$20 000. What can you offer her? b. Another customer is looking for a Toyota Landcruiser, preferably with a manual gear box. Do you have anything that might suit? c. A taxi driver is interested in a sedan running on gas, preferably a Holden or a Ford. Prepare a printout showing full details of all suitable vehicles. 		

	<p>d. A customer wants a reliable car with less than 80 000 km on the clock. He is willing to pay up to \$15 000. Do you have anything to meet these requirements?</p> <p>e. The police are looking for a getaway car from a bank robbery. They know that the number plate started with '0'. It was a sedan, not a hatchback. List any cars worth investigating.</p> <p>7. Design and then print ONE report that lists all the cars in the yard and:-</p> <p>a. shows the fields make, model, mileage, year and price only is sorted by make, model and year</p> <p>b. is grouped by make</p> <p>c. gives the total number of cars in each group (make)</p> <p>d. gives the average price of the cars in each group as well as the maximum and minimum prices of the cars in each group as well as for the whole database.</p>	
<p>COMPETENCIES TO BE ADDRESSED:</p>	<p>1. Use appropriate software</p> <ol style="list-style-type: none"> 1. Requirements of task are determined 2. Appropriate software is selected to perform task 3. Software is used to produce required outcome 4. Documents are saved and stored in appropriate directory <p>2. Access, retrieve and manipulate data</p> <ol style="list-style-type: none"> 1. Software application is opened 2. File is determined, opened and is amended according to requirements 3. Documents are accessed or produced to meet organisational requirements 4. File is saved in appropriate directory 5. Applications are exited without loss of data <p>3. Access and use help</p> <ol style="list-style-type: none"> 1. On line help is determined and used to overcome basic difficulties with applications 2. Manuals and training booklets are used to solve minor problems 3. Requests are logged with help desk if requiring further help <p>4. Use keyboard and equipment</p> <ol style="list-style-type: none"> 1. Occupational health and Safety regulations are followed 2. Keyboarding is carried out according to organisation guidelines on speed and accuracy 	<p>C = Competent NYC = Not Yet Competent</p>
<p>ASSESSOR'S COMMENTS / ASSESSOR'S SIGNATURE:</p>		
<p>STUDENT'S COMMENTS / SIGNATURE:</p>		
<p>DATE COMPLETED:</p>		

VS STATESMAN '97
SII SEDAN. 3.8 litre auto, ABS, air cond., central locking, dual airbags & more. Dec. '99 reg. PGO-480 **\$33,997**

SB BARINA SWING '98
HATCHBACK. 1.4 litre, air cond., dual airbags, power steering, only 10,000 kms, Dec. '99 reg. PGO-477 **\$15,697**

FORD EL FALCON '97
GLI SEDAN. 4.0 litre auto, air cond., power steering, Oct. '99 reg. OXQ-742 **\$19,997**

VS COMMODORE '96
EXEC WAGON, 3.8 litre auto, air cond., power steering, Nov. '99 reg. PGO-391 **\$19,497**

MITSUBISHI TF '97
MAGNA EXEC SEDAN. 3.0 litre auto, air cond., central locking, power steering, only 12,000 kms. Jan. '99 reg. OOE-598 **\$23,497**

TOYOTA NMJ-161 RAV4 5 DR WAGON
Cruiser pack, auto, sunroof, alloys, a/c p/s 1 owner 10.99 reg **** \$24,990 ****

COMMODORE VR 93 S/W AUTO
One of the best avail, 122,000 kms, mech. A1, RWC, 1 year warranty. \$14,999. ONT-052

VT ACCLAIM '97
WAGON. Capricorn Mica. 3.8 litre auto, fully equipped, Dec. '99 reg. PGO-484 **\$30,497**

TOYOTA COROLLA CSI
'96 SEDAN. 1.6 litre auto, air cond., central locking, power steering, only 22,000 kms, Oct. '99 reg. OAZ-583 **\$17,997**

NISSAN 200SX
High spec, '96 model only 21,000kms, sunroof, ABS and CD, suit the fussiest of buyers NTL-448 ONLY..... **** \$32,990 ****

JEEP NHG-549 CHEROKEE SPORTS
1995 model, like new only 19,000kms auto trans. air cond. Suit new car buyer. ONLY **** \$28,990 ****

JAGUAR NJJ-900 4.2 SOVEREIGN
**** \$12,990 ****
Luxury motoring, auto trans., full electrics, factory sunroof, leather trim and alloys

FORD FESTIVA '95 5 DOOR HATCH
Air, power, books, exc. cond. \$6,999.....TPX-583

FORD FAIRMONT V8 EF
'95 sedan, unmarked duco, full service history. As new \$17,999.....NIQ-392

HYUNDAI '97 EXCEL
Only 10,000 kms, as new, 3 yr/100,000 km wnty. 3 to choose. \$9,999 OIW-643

HONDA ENL-418 HONDA ACCORD EXI
**** \$18,588 ****
1991 model. Features: 4 WS. ABS, power, sunroof, leather trim, auto trans., air cond., pwr steer., factory cruise, CD & more. Inspection a must!! FREE HOME/OFFICE DEMO ANYWHERE. PH: WAYNE

SUBARU FKW-721 IMPREZA GX WAGON
'94 5 door man., drivers airbag, electrics plus much more. **** \$16,990 ****

ROLLS-ROYCE '81 Silver Spirit.
Melb. delivered, 3 owner car, just traded on later model. Full authorised. Service History OGI964. \$57,500

PORSCHE BOXSTER
This manual '97 silver Porsche with matching grey interior has travelled a mere 12,000 kms. Optioned with metallic paint, wind deflector, alarm and 17inch wheels. Replacement cost is \$120,000 plus on-road, will sell this weekend \$108,000.

TOYOTA NQC-595 '96 GXL L'CRUISER
**** \$40,009 ****
As new in every way, 1 owner, 40,000 kms, 5 speed manual, air cond., power steering, electric windows, CD player, alloy wheels, bull bar and side steps

MITSUBISHI FAU-848 '90 MAGNA TP SE
1 owner, as new cond., auto, a/c, p/s, elec. windows, cruise control, central lock., EFI motor, alloys, 112,000 kms, tint. wind. \$9990
THE CAR YARD
391 Princes Hwy, Noble Park

Chrysler Voyager
1998 model, V6 auto, only 11,000kms, suit new car buyer. Save \$\$\$ OWJ-937. ONLY..... **** \$42,990 ****

VS COMMODORE '95
EXEC SEDAN. 3.8 litre auto. air cond., central locking, power mirrors/steering, Nov. '99 reg. PGO-436 **\$17,697**

NISSAN OSK-894 PULSAR SSS 98
Finished in Diamond White, twin airbags and sunroof, special wheels and body kit, 6000kms. Suit new buyer. **** \$24,990 ****

JEEP LIMITED
'97 mod only 12,000kms all luxury opts, incl. leather trim. OKE-720. To be sold at only. **** \$37,990 ****

MITSUBISHI '96 LANCER COUPE
1.6 5 SPD MAN NZQ-518
Sought after model in immaculate condition. Current model styling **** \$15,995 ****

COMMODORE VR BERLINA SEDAN
3.8 litre V6 engine, t-bar auto, air cond., pwr steer, alloy wheels, power pack. ABS brakes, travelled only 54,000 kms with service history. FRS-760 **** \$19,990 ****

MAZDA DWW-634 RX7 SERIES III 35,000 KMS GEN.
1989 model, this car is exceptional, finished in Fire Red duco, manual transmission, factory sunroof, full service books, power windows, new tyres. Must be seen!! **** \$18,990 ****

JEEP WRANGLER
1997 soft top auto only 17,000kms. Save \$\$\$\$. Suit new car buyer. PIE-684 **** \$28,990 ****

FORD FESTIVA '97 5 DR HATCH
T-bar auto air cond., pwr steering, very low kms books, immaculate thru'out. RWC and 1 yr warranty \$10,999 O GK-559