

# JAVA INSTITUTE FOR ADVANCED TECHNOLOGY

## Department of Examinations



COURSE(S) – (LEADING TO)	PROFESSIONAL DIPLOMA IN SOFTWARE ENGINEERING
UNIT NAME	DATABASE MANAGEMENT 1
UNIT ID	H7DX 04
ASSIGNMENT ID	H7DX 04/AS/03
DESCRIPTION	WRITE STRUCTURED QUERY LANGUAGE(SQL) COMMANDS FOR A GIVEN SCENARIO
DURATION	13 <sup>th</sup> July to 17 <sup>th</sup> July
WORD COUNT	-
SUBMISSION VIA	ONLINE (STUDENT PORTAL)
DOCUMENT FORMAT	MICROSOFT WORD OFFICE DOCUMENT

### GUIDE LINES FOR CANDIDATES

- Students are expected to use reference books, the Internet, journals and other similar sources in order to accomplish the task specified above.
- Students are expected to refrain from repeating any content in their research document.
- Students will be penalised for any plagiarism.

NAME	:	..... (BLOCK CAPITALS)
ADMISSION NO	:	.....
NIC NO	:	.....

**Question:**

Please refer three tables given below and write SQL Query for given requirements.

Seller( Sellers information)			
SID	SNAME	RATING	AGE
22	Nelum	7	22
31	Danushka	1	35
32	Saman	8	45
64	Kamal	10	23
65	Rani	9	43
29	Seetha	10	65
71	Perera	4	36
74	Namal	2	38

seller_has_laptop (Laptop Reserve Note)			
SID	LID	DAY	Comment
22	100	02/07/2012	Blue screen
22	102	20/04/2012	Good
22	100	09/05/2012	Good
22	101	01/08/2012	Good
31	103	02/07/2012	Good
64	102	27/01/2012	DOS Only
71	101	30/09/2012	Good
29	100	10/10/2012	Blue Screen

Laptop( Laptops Information)		
LID	LNAME	COLOR
100	HP	Red
101	ASUS	Blue
102	COMPAQ	Green
103	LENOVA	Red

**Requirement List**

1. Find all sellers details
2. Find the names and colors of all Laptops?
3. Find the age of sellers who have reserved Laptop 102?
4. Find the names of sellers who have reserved a red laptop?
5. Find the color of laptops reserved by "Nelum"?
6. Find the names of sellers who have reserved at least two laptops?
7. Find the names of sellers who have reserved a red or a green or a blue laptop?
8. Find the names of sellers according to the alphabetical order of name?
9. Find the name and age of sailors who have reserved a red and a green laptop?
10. Find the SIDs of sellers with age over 30 who have not reserved a red laptop?
11. Find the names of sellers who have reserved all laptops called HP. (Use sub query)?
12. Find all SIDs of sellers who have a rating of 10 or have reserved laptop 103?
13. Find the laptop color, names and age of sellers who have reserved laptop 103?
14. Find the age of sellers according to the ascending order?
15. Find the names of sellers who have not reserved a red laptop (use sub query)?
16. Find sellers whose rating is better than some sellers called "Seetha"?
17. Find the sellers with the highest rating?
18. Find the average age of all sellers?
19. Count the number of sailors?
20. Find the names of sellers who are elder than the oldest sellers with a rating of 10?

# Assignment Submission Guidelines for Students

Students are advised to strictly follow the guidelines specified herein when formulating and submitting research assignments

## Important Information for Students

1. The assignment should be submitted only as a soft copy in a Microsoft Word format on or before the specified assignment due date.
2. The soft copy of the assignment should be uploaded to the student portal using the SCN number.
3. The submission date provided for all assignments are the final dates on which you can hand upload the assignments. Please note that late submissions are not allowed.
4. Plagiarism is treated as a serious offence and the work you produce should be individual and original. However, note that students will have to work in groups in certain scenarios.
5. All sources of information in any assignment must be referenced using the “Harvard referencing” system, where a reference listing should be included at the end of the assignment.
6. Please contact your branch on assignments, re-submission, and related procedures.
7. Students are expected to maintain a backup of all assignments. The Java Institute for Advanced Technology retains all the rights to re-call soft copies of any assignment at any time during the course.
8. Students should use the attached assignment coversheet and declaration of authentication form to the assignment
9. Students are expected to provide the following information in their assignment coversheet of the softcopy in the CD:
  - Student name
  - SQA ID number
  - NIC No
  - Subject name
  - Subject code
  - Branch.
10. Assignment Report Rules
  - Paper Size:A4
  - Word Count:1500 words
  - Line Spacing:1.5
  - Printing Margin:1 inch on LHS and RHS
  - Binding Margin:½ inch
  - Header and Footer:1 inch

- Printing: Single-sided
- Basic Font Size:12pt
- Heading:16pt
- Sub-headings:14pt, Bold
- Body:12pt, Justified Aligned
- Font Style: Times New Roman/Calibri.