G.V.P College of Engineering (Autonomous)
(Approved by AICTE, Affiliated to JNTU-Kakinada)
Madhurawada, Visakhapatnam-530 048
Department of Computer Science and Engineering
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DATABASE MANAGEMENT SYSTEMS LAB	**B.Tech Semester:IV**
Course Code : 15CT1112	**Lab Exam (External)**
Date:_____	**Set A**

Instructions:
1. **Attempt any two Questions from section-II**

Section –I

Q.1 Create following database schemas:

Sailors (sid: num, sname: varchar, rating: num, age: num);

Boats (bid: num, bname: varchar, color: varchar);

Reserves (sid: num, bid: num, day: date).

Q.2 create the following database instances for above database instance

Sailors

Sid	Sname	Rating	Age
22	Dustin	7	45
29	Brutus	1	33
31	Lubber	8	55.5
32	Andy	8	25.5
58	Rusty	10	35
64	Horatio	7	35
71	Zorba	10	16
74	Horatio	9	40
85	Art	3	25.5
95	Bob	3	63.5

Boats

bid	bname	color
101	Interlake	blue
102	Interlake	red
103	Clipper	green
104	Marine	red

Reserves

sid	bid	day
22	101	1998-10-10
22	102	1998-10-10
22	103	1998-10-8
22	104	1998-10-7
31	102	1998-11-10
31	103	1998-11-6
31	104	1998-11-12
64	101	1998-9-5
64	102	1998-9-8
74	103	1998-9-8

Figure 1: Instances of Sailors, Boats and Reserves

Section-II

Q.3 Find all information of sailors who have reserved boat number 101.

Q.4 Calculate the average age of all sailors.

Q.5 Write a PL/SQL code to check the given number is even or odd.

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22	103	1998-10-8
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31	104	1998-11-12
64	101	1998-9-5
64	102	1998-9-8
74	103	1998-9-8

Figure 1: Instances of Sailors, Boats and Reserves

Section –II

Q.3 Find the names of sailors who have reserved at least one boat.
Q.4 Find the sailors who contains 'or' substring in their name.
Q.5 Write a PL/SQL code for adding two numbers.

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64	102	1998-9-8
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Figure 1: Instances of Sailors, Boats and Reserves

Section –II

Q.3 Find the names of sailors who have reserved a red boat
Q.4 Find all the boats reserved by sailor who have SID less than 35 and rating greater than 7.
Q.5 Create an anonymous block which catches ZERO_DIVIDE exception raised in the executable section and displays an error message.