

Q1: i) Find the total feeding time for all of the rare animals.

The screenshot shows the SQL Developer interface with a query executed. The query is:

```

--Q1 i) Find the total feeding time for all of the rare animals.
SELECT SUM(TIMETOFEED), ANAME
FROM ANIMAL
WHERE ACATEGORY = 'rare'
GROUP BY ANAME;

```

The query result shows the following data:

SUM(TIMETOFEED)	ANAME
1.75	Florida black bear
0.75	Emperor Penguin
3.5	Siberian tiger

The SQL History tab shows the query was executed on 05-OCT-... at 0.085 seconds.

ii) Which animal(s) have a 'time to feed' larger than every rare animal? Give the id and name of the animal.

The screenshot shows the SQL Developer interface with a query executed. The query is:

```

--Q1 ii) Which animal(s) have a 'time to feed' larger than every rare animal? Give the id and name of the animal.
SELECT ANAME, AID
FROM ANIMAL
WHERE TIMETOFEED > (
    SELECT AVG(TIMETOFEED)
    FROM ANIMAL
    WHERE ACATEGORY='rare');

```

The query result shows the following data:

ANAME	AID
Sri Lankan sloth bear	3
Grizzly bear	4
Siberian tiger	7
Bengal tiger	8
South China tiger	9
Llama	11

The SQL History tab shows the query was executed on 05-OCT-... at 0.088 seconds.

iii) Name zookeepers handling at least 4 animals.

The screenshot shows the SQL Developer interface with a query executed. The query is:

```
SELECT Z.ZNAME, H.ZOOKEEPID, COUNT(H.ZOOKEEPID)
FROM HANDLES H, ZOOKEEPER Z
WHERE Z.ZID = H.ZOOKEEPID
GROUP BY Z.ZNAME, ZOOKEEPID
HAVING COUNT(H.ZOOKEEPID) >=4;
```

The Query Result shows one row:

ZNAME	ZOOKEEPID	COUNT(H.ZOOKEEPID)
1 Rob Schneider	3	4

The SQL History shows the query was executed on 05-OCT-2013 at 10:05:05.

iv) Find the names of the animals that are not related to the bear.

The screenshot shows the SQL Developer interface with a query executed. The query is:

```
SELECT ANAME
FROM ANIMAL
WHERE ANAME NOT LIKE '%bear';
```

The Query Result shows seven rows:

ANAME
1 Galapagos Penguin
2 Emperor Penguin
3 Siberian tiger
4 Bengal tiger
5 South China tiger
6 Alpaca
7 Llama

The SQL History shows the query was executed on 05-OCT-2013 at 10:05:05.

v) List zookeepers earning the most while feeding animals.

The screenshot displays the Oracle SQL Developer environment. On the left, the 'Connections' pane shows 'Adarsh' as the selected connection. The main workspace is divided into several panes:

- Worksheet:** Contains a list of animals (Donghai tiger, South China tiger, Alpaca, Llama) and a query labeled 'v) List zookeepers earning the most while feeding animals.' The query is:

```
SELECT H.ZOOKEEPID, SUM(A.TIMETOFEED) AS TOTALFEEDTIME
FROM HH.HS_H H, ANIMAL A, ZOOKEEPER Z
WHERE A.AID = H.ANIMALID AND Z.ZID = H.ZOOKEEPID
GROUP BY H.ZOOKEEPID;
```
- Query Result:** Shows the execution results with the message 'All Rows Fetched: 3 in 0.065 seconds'. The results are displayed in a table:

ZOOKEEPID	TOTALFEEDTIME
1	1.5
2	7
3	8.75

At the bottom, the **SQL History** pane shows the executed query and its details:

SQL	Connect...	TimeSt...	Type	Executed	Duratio...
SELECT H.ZOOKEEPID,SUM(A.TIMETOFEED) AS TOT...	Adarsh	05-OCT...	SQL	3	0.065