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Question 6

2a,

Explain composite data type, tell me the syntax. \5 a!

A composite data type could be a record, table, nested table or a varray. This is so

because all of them are composed of multiple data types.

TYPE student\_data IS RECORD

(

first \_name VARCHAR(20), bd

id NUMBER (2),

ye

Question 2 2a,

Difference between CHAR, VARCHAR and VARCHAR2 \o,4/

VARCHAR is reserved by Oracle for future releases and is advised not use it. l

CHAR variables stores the data in fixed length including the trailing space ( It will pad your entry with

spaces.)

VARCHAR2 variables stores only the data (Variable length text).

create table example Char (vchar\_coll varchar2(10), char\_col2 char(10)

insert into example char values ('TEMP', 'TEMP')

select length(vchar\_coll), length(char\_col2) from eXample Char;

LENGTH(VCHAR\_COL1) LENGTH(CHAR\_COL2)

8. Data types

Can you create table column with Boolean datatype in Oracle Database?

NO

Question 5

2a,

What is the difference between CHAR and NCHAR datatype? \G, ia!

NCHAR is used to store fixed length Unicode data. It is often used to store data in different languages.

CHAR is used to store fixed length character data.

When data is stored using CHAR, it takes n bytes while NCHAR takes 2n bytes.

Question 4 o@

@ e

What is the difference between DATE and TIMESTAMP datatype? \ Bie

Date can store month, day, year, century, hours, minutes, and seconds. I

TIMESTAMP is much more fine-grained as a measurement of time than DATE is (milliseconds vs seconds).

Date math with DATE is decimal math up to 5 places deep. example

TRUNC(SYSDATE)+0.99999 = 2016-03-30 2359.59

TRUNC(SYSDATE)+0.999999 = 2016-03-31 0000.00

TIMESTAMP can optionally store the Time Zone as well.

SELECT CAST(SYSDATE AS TIMESTAMP WITH TIME ZONE) FROM DUAL;

Question 1

2a,

Can you briefly explain the various Datatypes present in Oracle? \E ia

Character Datatypes

\* CHAR

\* VARCHAR

\* VARCHAR2

\* NCHAR and NVARCHAR2

\* LONG

Numeric Datatypes

\* NUMBER

\* BINARY\_FLOAT

\* BINARY\_DOUBLE

So \_\_\_\_\_ ooo