NAME: - SHUBHAM SAXENA

REG No:- RA1811003010691 SEC:- D2 DATE:-11/3/2021

DDL WORKSHEET-VII

I. Display the string 'WELCOME' as 'Welcome'.

II. Display the string 'welcome' in lowercase and uppercase.

III. Remove the string 'welcome' from 'welcomeStudents' and 'Studentswelcome'.

IV. Differentiate Translate and Replace with examples.

- V. Do the following functions: substring,length,instr.
- (i) Find the number of characters in the string 'Welcome Students'
- (ii) Extract the string 'Student' from the sting 'Welcome Students'
- (iii) Find the 3 rd occurrence position of the string 'come' in the given input
- (iv) 'Welcome Deans Welcome Faculty Welcome Students'

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F\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

Student

SQL> SELECT LENGTH('Welcome Students') FROM DUAL;

LENGTH('WELCOMESTUDENTS')

16

SQL> SELECT SUBSTR('Welcome Students',9,7) FROM DUAL;

SUBSTR(

SUBSTR(

SUBSTR('Welcome Deans Welcome Faculty Welcome Students','come',1,3) FROM DUAL;

INSTR('WELCOMEDEANSWELCOMEFACULTYWELCOMESTUDENTS','COME',1,3)

34
```

- VI. (i) Find the ASCII value for the letter 'S' and 's'
- (ii) Find the character corresponding to '67' and '97'

VII. Display the rhyming names from the Student table.

VIII. Find the absolute value of -117.

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F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe — X

SQL> SELECT ABS(-117) FROM DUAL;

ABS(-117)

117
```

IX. Find the output of ceil(115.45), ceil(115.54), floor(115.45), and floor(115.54)

```
FLOOR(115.45)

FLOOR(115.45)

FROM DUAL;

SQL> SELECT FLOOR(115.45) FROM DUAL;

FLOOR(115.45)

116
```

X. Find then square root of 625.

XI. Display userid and username.

XII. Print the word string 'WELCOME' as follows:

- (i) '*****WELCOME'
- (ii) 'WELCOME*****

XIII. Find the square of a number 15.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe — X

SQL> SELECT POWER(15,2) FROM DUAL;

POWER(15,2)

225
```

XIV. Apply truncate and round functions to 2 decimal places for the numbers 111.784 $\,$

and 111.785

XV. Find the remainder of 123 divided by 2 and 144 divided by 3.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select Cos(0) from dual;
    COS(0)
SQL> select Cos(45) from dual;
   COS(45)
 525321989
SQL> select Cos(90) from dual;
   COS(90)
 .44807362
SQL> select Cos(180) from dual;
 COS(180)
 .59846007
SQL> select Cos(360) from dual;
 .28369109
SQL> select Sin(0) from dual;
    SIN(0)
SQL> select Sin(45) from dual;
   SIN(45)
.850903525
SQL> select Sin(90) from dual;
   SIN(90)
 893996664
```

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe
SQL> select Sin(180) from dual;
 SIN(180)
 .80115264
SQL> select Sin(360) from dual;
958915723
SQL> select Tan(0) from dual;
SQL> select Tan(45) from dual;
  TAN(45)
1.61977519
SQL> select Tan(90) from dual;
  TAN(90)
-1.9952004
SQL> select Tan(180) from dual;
 TAN(180)
1.33869021
SQL> select Tan(360) from dual;
 TAN(360)
 3.3801404
```

XVII. Write a query to store time value along with date.

XVIII. Join the two string 'Welcome' and 'Students' using an operator.

```
SQL Plus

Version 18.4.0.0.0

SQL> SELECT 'Welcome' || 'Students' FROM DUAL;

'WELCOME'||'STU

WelcomeStudents
```

 $\ensuremath{\mathsf{XIX}}.$ Delete the leading and trailing white spaces from the string ' $\ensuremath{\mathsf{Welcome}}$ '.

XX. Classify all the students with the following grade according to their Total_Mark.

Total_Mark	Grade
>=90	1
>=80 and <90	2
>=70 and <80	3
>=60 and <70	4
>=50 and <60	5
<50	F or 0



XXI. Compute mark I + mark 2 treating null marks as zero.