Practical 6

AIM : Experiment to study Date functions and Mathematical functions supported by Oracle.

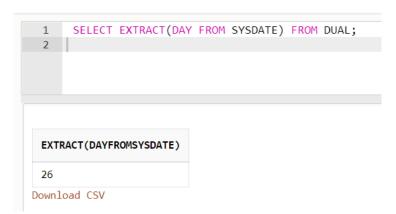**Shashwat V. Tripathi**   **D10A Roll No: 60**
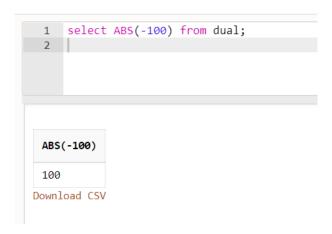
Date Functions:

SQL Worksheet

```
1    SELECT CURRENT_DATE FROM DUAL;
2    |
```

CURRENT_DATE
26-SEP-22

Download CSV

SQL Worksheet

```
1    SELECT EXTRACT(YEAR FROM SYSDATE) FROM DUAL;|
```

EXTRACT(YEARFROMSYSDATE)
2022

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SQL Worksheet

```
1    SELECT EXTRACT(DAY FROM SYSDATE) FROM DUAL;
2    |
```

EXTRACT(DAYFROMSYSDATE)
26

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SQL Worksheet

```
1   SELECT EXTRACT(MONTH FROM SYSDATE) FROM DUAL;
2   |
```

EXTRACT(MONTHFROMSYSDATE)
9

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SQL Worksheet

```
1   SELECT SYSDATE FROM DUAL;|
```

SYSDATE
26-SEP-22

Download CSV

Mathematical Functions:

SQL Worksheet

```
1   select ABS(-100) from dual;
2   |
```

ABS(-100)
100

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SQL Worksheet

```sql
1  select ABS(-6) from dual;
2  |
```

ABS(-6)
6

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SQL Worksheet

```sql
1  select FLOOR(2345.78) FROM DUAL;
2  |
```

FLOOR(2345.78)
2345

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SQL Worksheet

```sql
1  SELECT GREATEST(23,67,90,123,78,50) FROM DUAL;
```

GREATEST(23,67,90,123,78,50)
123

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SQL Worksheet

```sql
1  SELECT LEAST(34, 21,67,11,89,9) FROM DUAL;
```

LEAST(34,21,67,11,89,9)
9

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SQL Worksheet

```
1  SELECT LENGTH('RAJESHWARI') FROM DUAL;
2
```

LENGTH('RAJESHWARI')
10

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SQL Worksheet

```
1  SELECT LENGTH(17245637) FROM DUAL;
2
3
```

LENGTH(17245637)
8

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SQL Worksheet

```
1  SELECT SQRT(16) FROM DUAL;
```

SQRT(16)
4

Download CSV

SQL Worksheet

```
1  SELECT SQRT(99) FROM DUAL;
```

SQRT(99)
9.9498743710661995473447982100120600517 8

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SQL Worksheet

```
1   SELECT POWER(2,4) FROM DUAL;
2
```

POWER(2,4)
16

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SQL Worksheet

```
1   SELECT POWER(2,10) FROM DUAL;
2
```

POWER(2,10)
1024

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SQL Worksheet

```
1   SELECT ROUND(5.86) FROM DUAL;
```

ROUND(5.86)
6

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SQL Worksheet

```
1   SELECT ROUND(1001.6) FROM DUAL;
2
```

ROUND(1001.6)
1002

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SQL Worksheet

```sql
1  SELECT MOD(4,2) FROM DUAL;
```

MOD(4,2)
0

Download CSV

SQL Worksheet

```sql
1  SELECT EXP(2) FROM DUAL;
```

EXP(2)
7.3890560989306502272304274605750078132

Download CSV

SQL Worksheet

```sql
1  SELECT EXP(-2) FROM DUAL;
2  
```

EXP(-2)
.1353352832366126918939994949724844034073

Download CSV

SQL Worksheet

```sql
1  SELECT EXP(0) FROM DUAL;
```

EXP(0)
1

Download CSV