

DIAMONDS INFO SQL QUERIES

1. AVERAGE CARAT VALUES UPTO TWO DECIMALS:

```
SELECT ROUND(AVG(CARAT),2) AS AVERAGE_CARAT FROM DIAMONDS;
```

```
+-----+
| AVERAGE_CARAT |
+-----+
|           0.8 |
+-----+
```

2. TOTAL CUSTOMERS VISITES

```
SELECT COUNT(DISTINCT(ID))AS TOTAL_CUSTOMERS FROM DIAMONDS;
```

```
+-----+
| TOTAL_CUSTOMERS |
+-----+
|           53940 |
+-----+
```

3. TYPES OF CUT AVAILABLE

```
SELECT DISTINCT(CUT) AS CUTS_AVAILABLE FROM DIAMONDS;
```

```
+-----+
| CUTS_AVAILABLE |
+-----+
| Ideal           |
| Premium         |
| Good            |
| Very Good       |
| Fair            |
+-----+
```

4. CUT WISE AVERAGE DEPTH

```
SELECT CUT, ROUND(AVG(DEPTH),3) AS AVG_DEPTH FROM DIAMONDS GROUP BY  
CUT ORDER BY AVG_DEPTH;
```

CUT	AVG_DEPTH
Premium	61.265
Ideal	61.709
Very Good	61.818
Good	62.366
Fair	64.042

5. CUT WISE TOTAL AMOUNT GENERATED

```
SELECT CUT,SUM(PRICE) AS TOTAL_AMOUNT FROM DIAMONDS GROUP BY CUT  
ORDER BY TOTAL_AMOUNT DESC;
```

CUT	TOTAL_AMOUNT
Ideal	74513487
Premium	63221498
Very Good	48107623
Good	19275009
Fair	7017600

6. COLOR WISE AVG DEPTH AND TOTAL AMOUNT GENERATED

**SELECT COLOR,ROUND(AVG(DEPTH),2) AS AVG_DEPTH,SUM(PRICE) AS
TOTAL_AMOUNT FROM DIAMONDS GROUP BY COLOR ORDER BY TOTAL_AMOUNT
DESC;**

COLOR	AVG_DEPTH	TOTAL_AMOUNT
G	61.76	45158240
H	61.84	37257301
F	61.69	35542866
E	61.66	30142944
I	61.85	27608146
D	61.7	21476439
J	61.89	14949281

7. FREQUENCY OF EACH CUT

**SELECT CUT,COUNT(CUT) AS TOTAL FROM DIAMONDS GROUP BY CUT ORDER BY TOTAL
DESC;**

CUT	TOTAL
Ideal	21551
Premium	13791
Very Good	12082
Good	4906
Fair	1610

8. TYPES OF CLARITY AVAILABLE

SELECT DISTINCT(CLARITY) FROM DIAMONDS;

```
+-----+
| CLARITY |
+-----+
| SI2     |
| SI1     |
| VS1     |
| VS2     |
| VVS2    |
| VVS1    |
| I1      |
| IF      |
+-----+
```