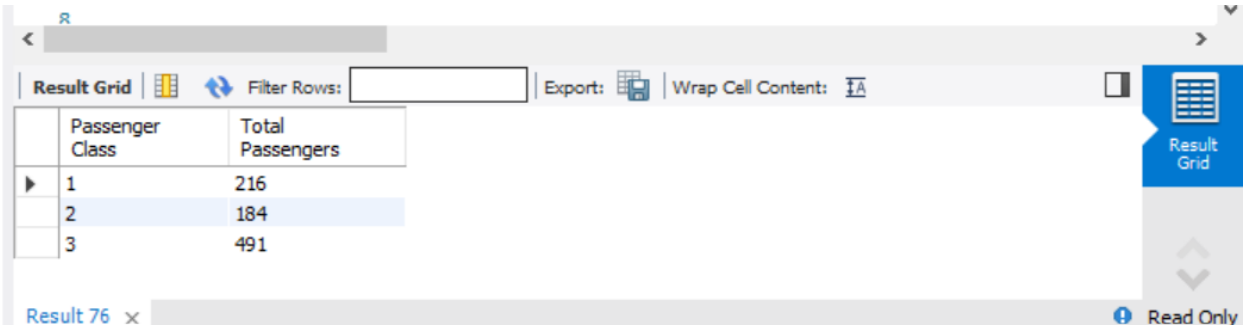
**HOW MANY PASSENGERS WERE THERE IN EACH CLASS**

```
SELECT Pclass, COUNT(*) FROM titanic AS Total Passengers

GROUP BY Pclass

ORDER BY Pclass;
```



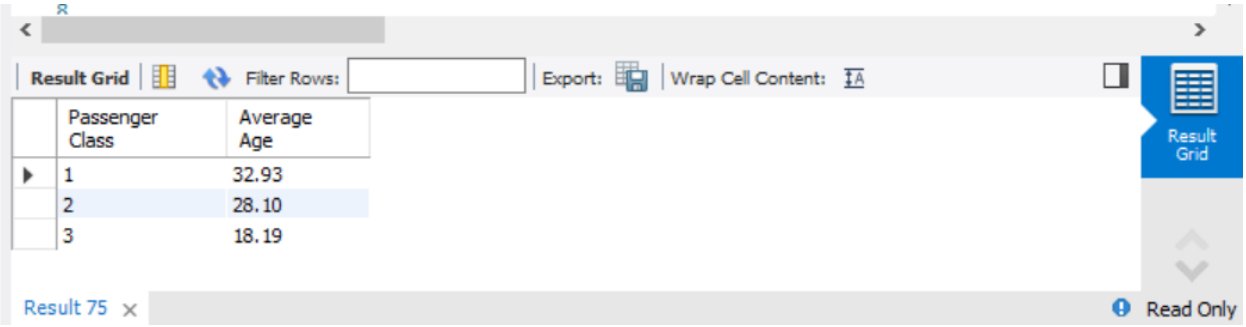
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| Passenger Class | Total Passengers |
|---|---|
| 1 | 216 |
| 2 | 184 |
| 3 | 491 |

Result 76 | Read Only

**WHAT WAS THE AVERAGE AGE OF PASSENGERS IN EACH CLASS**

```
SELECT Pclass as "Passenger Class", ROUND(avg(Age), 2) as "Average Age"

FROM titanic

GROUP BY Pclass

ORDER BY Pclass;
```



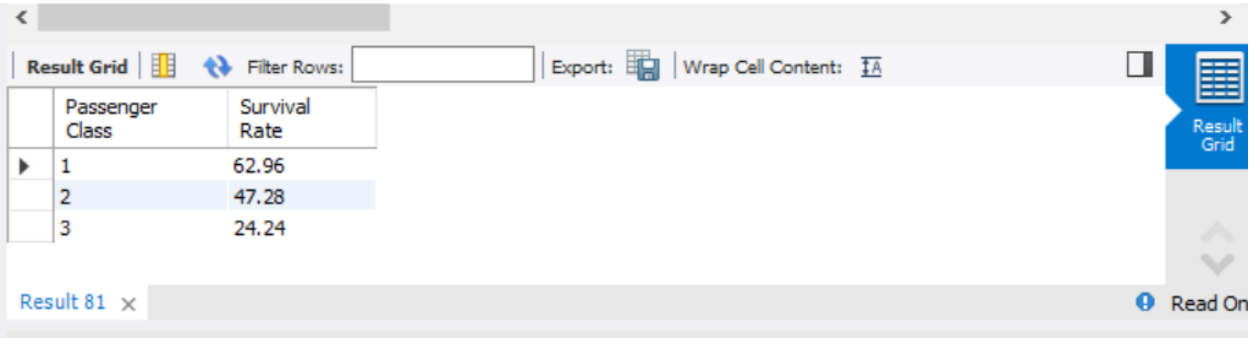
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| Passenger Class | Average Age |
|---|---|
| 1 | 32.93 |
| 2 | 28.10 |
| 3 | 18.19 |

Result 75 | Read Only

**WHAT WAS THE SURVIVAL RATE FOR EACH CLASS**

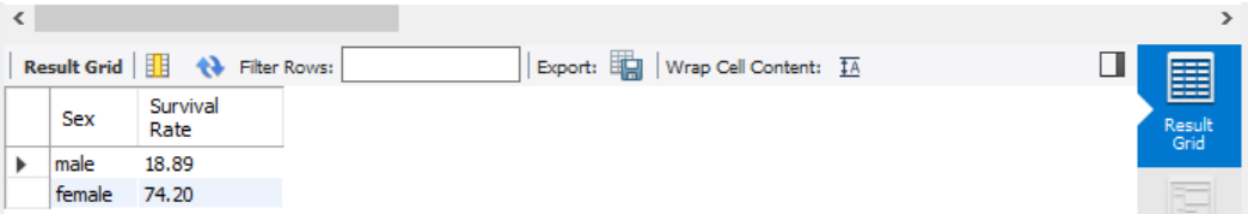
```
SELECT  Pclass as "Passenger Class",
ROUND((SUM(survived)/COUNT(survived)*100),2) as "Survival Rate"
FROM titanic
GROUP BY Pclass
ORDER BY Pclass;
```




| Passenger Class | Survival Rate |
|---|---|
| 1 | 62.96 |
| 2 | 47.28 |
| 3 | 24.24 |

**WHAT WAS THE SURVIVAL RATE BY GENDER**

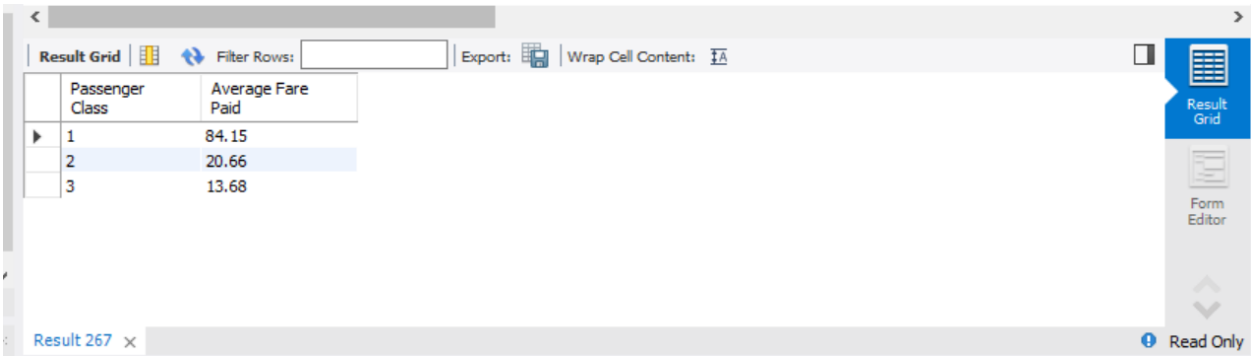
```
SELECT Sex, ROUND((SUM(Survived)/COUNT(*)*100)  ,2) AS "Survival Rate"
FROM titanic
GROUP BY Sex;
```




| Sex | Survival Rate |
|---|---|
| male | 18.89 |
| female | 74.20 |

**WHAT WAS THE AVERAGE FARE PAID BY PASSENGERS IN EACH CLASS**

```
SELECT  Pclass as "Passenger Class", ROUND(AVG(Fare),2) as "Average Fare Paid"
FROM titanic
GROUP BY Pclass
ORDER BY Pclass;
```



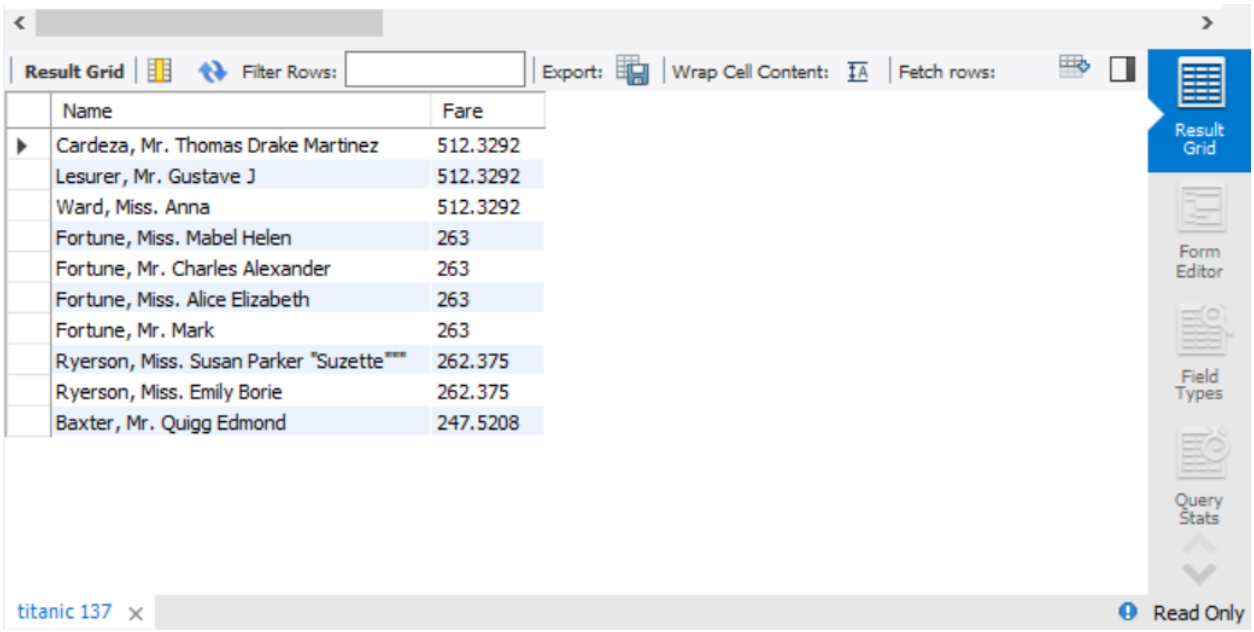
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| Passenger Class | Average Fare Paid |
|---|---|
| 1 | 84.15 |
| 2 | 20.66 |
| 3 | 13.68 |

Result 267 | Read Only

**IDENTIFY THE 10 PASSENGERS WHO PAID THE HIGHEST FARES**

```
SELECT  Name, Fare FROM titanic
ORDER BY FARE DESC
LIMIT 10;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

| Name | Fare |
|---|---|
| Cardeza, Mr. Thomas Drake Martinez | 512.3292 |
| Lesurer, Mr. Gustave J | 512.3292 |
| Ward, Miss. Anna | 512.3292 |
| Fortune, Miss. Mabel Helen | 263 |
| Fortune, Mr. Charles Alexander | 263 |
| Fortune, Miss. Alice Elizabeth | 263 |
| Fortune, Mr. Mark | 263 |
| Ryerson, Miss. Susan Parker "Suzette""" | 262.375 |
| Ryerson, Miss. Emily Borie | 262.375 |
| Baxter, Mr. Quigg Edmond | 247.5208 |

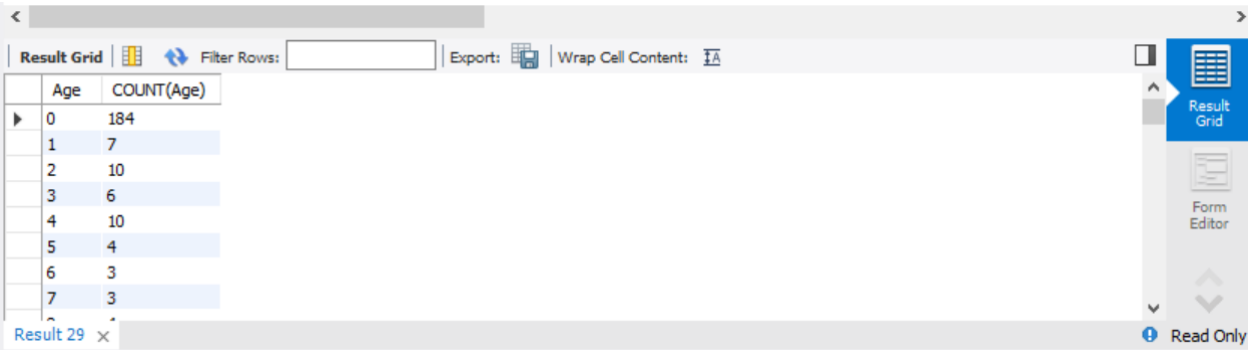
titanic 137 | Read Only

**WHAT WAS THE DISTRIBUTION OF PASSENGER AGES**

SELECT Age, COUNT(Age) FROM titanic

GROUP BY Age

ORDER BY Age;

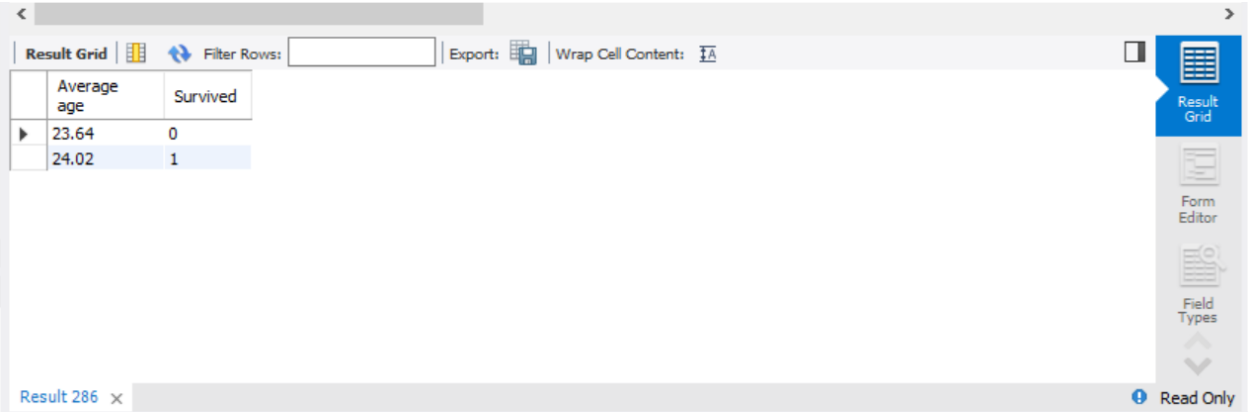



| Age | COUNT(Age) |
|---|---|
| 0 | 184 |
| 1 | 7 |
| 2 | 10 |
| 3 | 6 |
| 4 | 10 |
| 5 | 4 |
| 6 | 3 |
| 7 | 3 |

**WHAT WAS THE AVERAGE AGE OF SURVIVORS VS NON-SURVIVORS**

SELECT ROUND(AVG(Age) ,2) as "Average age", Survived  FROM titanic

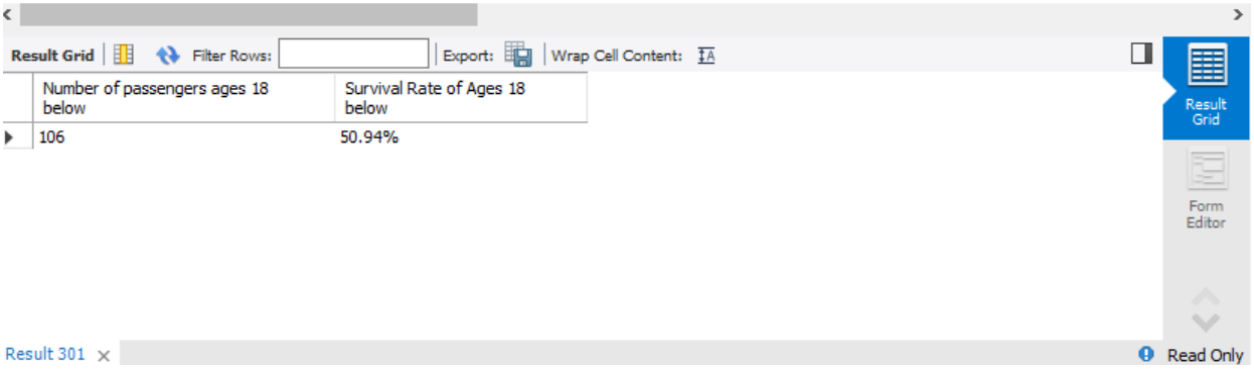
GROUP BY Survived;




| Average age | Survived |
|---|---|
| 23.64 | 0 |
| 24.02 | 1 |

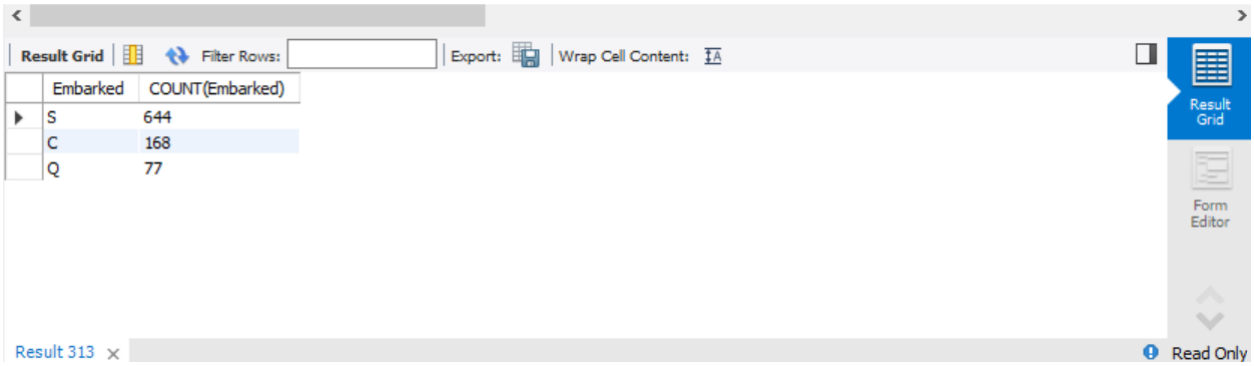
**HOW MANY CHILDREN AGE 18 BELOW WERE THERE ONBOARD AND WHAT WAS THE SURVIVAL RATE**

```
SELECT
COUNT(Age) AS "Number of passengers ages 18 below ",
CONCAT(ROUND((SUM(Survived)/COUNT(*)*100), 2), "%") AS "Survival Rate of Ages 18 below"

FROM titanic
WHERE Age < 18 and Age > 0 ;
```



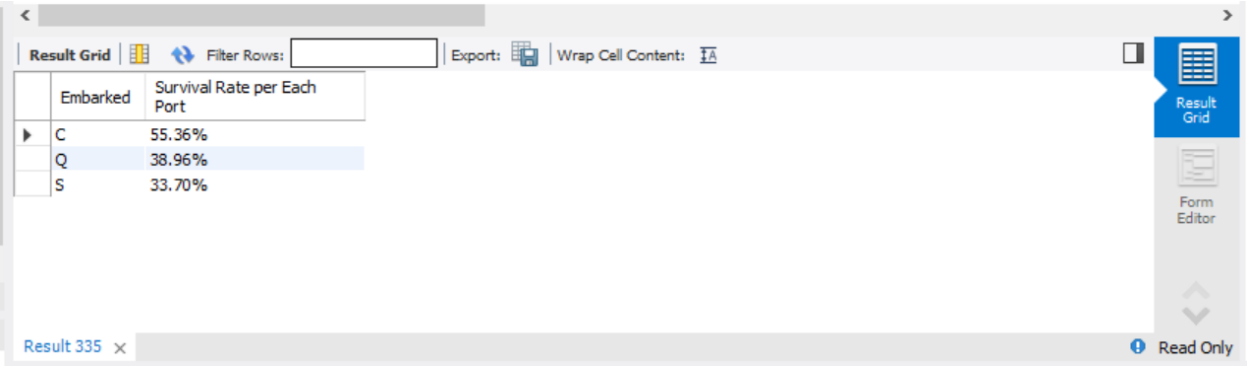

**HOW MANY PASSENGERS EMBARKED FROM EACH PORT (C, Q, S)**

```
SELECT Embarked, COUNT(Embarked) FROM titanic
WHERE Embarked != ""
GROUP BY Embarked;
```



**WHAT WAS THE SURVIVAL RATE FOR PASSENGERS EMBARKED FROM EACH PORT**

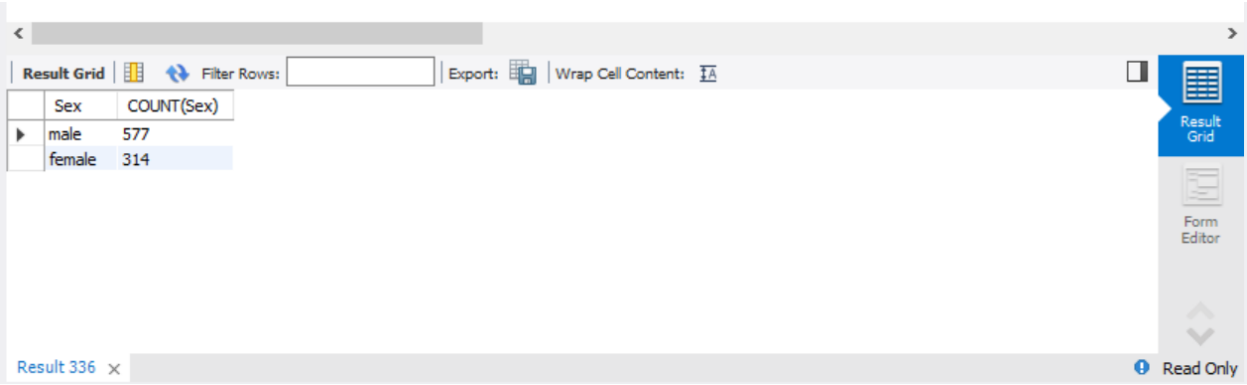
```
SELECT Embarked, CONCAT(ROUND((SUM(Survived)/COUNT(*)*100), 2), "%") as "Survival Rate per Each Port"

FROM titanic

WHERE Embarked != ""

GROUP BY Embarked

ORDER BY Embarked;
```




| Embarked | Survival Rate per Each Port |
|---|---|
| C | 55.36% |
| Q | 38.96% |
| S | 33.70% |

**WHAT WAS THE DISTRIBUTUTON OF MALE AND FEMALE PASSENGERS ACROSS DIFFERENT CLASSES**

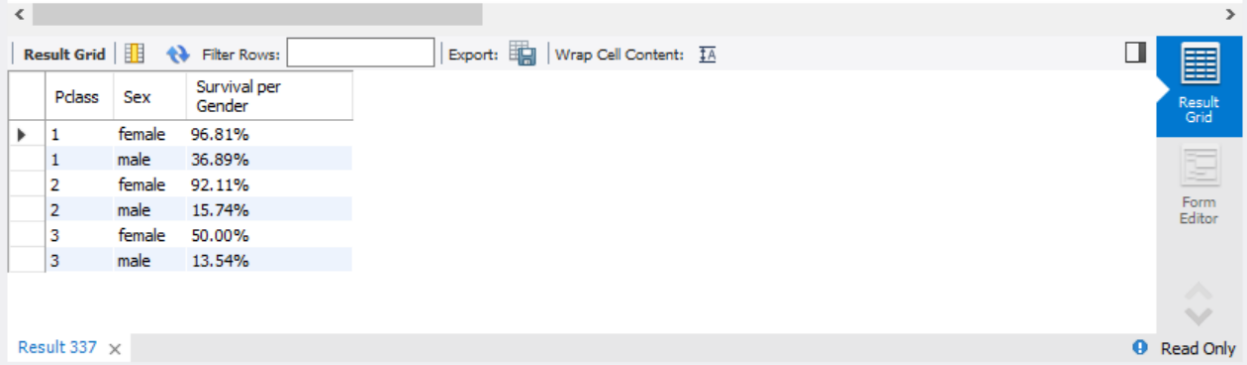
```
SELECT Sex, COUNT(Sex) FROM titanic

GROUP BY Sex;
```




| Sex | COUNT(Sex) |
|---|---|
| male | 577 |
| female | 314 |

**COMPARE THE SURVIVAL RATE OF MALES AND FEMAILS WITHIN EACH CLASS**

```
SELECT Pclass, Sex, CONCAT(ROUND((SUM(Survived)/COUNT(*)*100), 2), "%") AS "Survival per Gender"
FROM titanic
GROUP BY Pclass, Sex
ORDER BY Pclass, Sex;
```



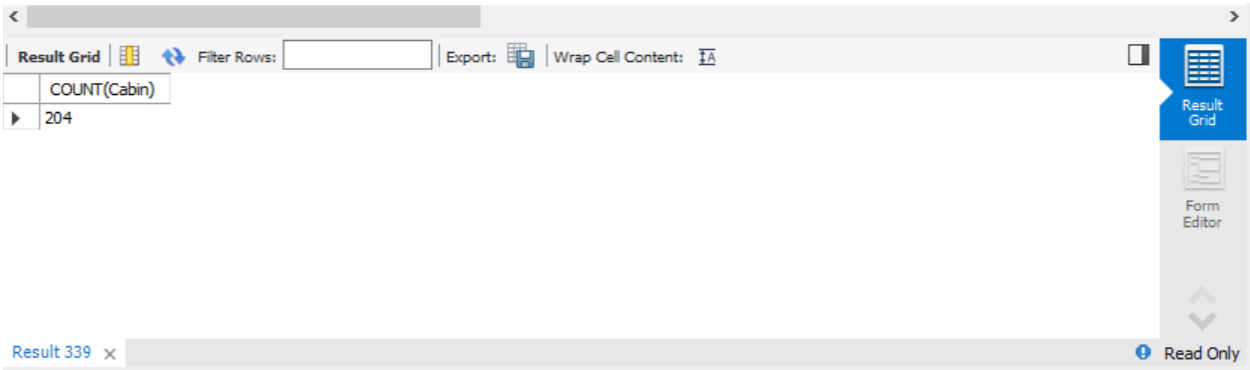
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| Pclass | Sex | Survival per Gender |
|---|---|---|
| 1 | female | 96.81% |
| 1 | male | 36.89% |
| 2 | female | 92.11% |
| 2 | male | 15.74% |
| 3 | female | 50.00% |
| 3 | male | 13.54% |

Result 337 | Read Only

**HOW MANY PASSENGERS HAD CABIN INFROMATION RECORDED**

```
SELECT COUNT(Cabin) FROM titanic
WHERE Cabin != "";
```



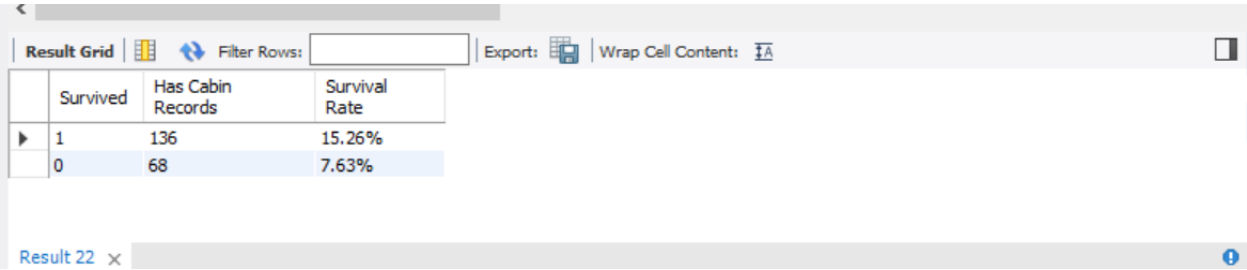
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| COUNT(Cabin) |
|---|
| 204 |

Result 339 | Read Only

**WAS THERE A DIFFERENCE IN SURVIVAL RATES BETWEEN PASSENGERS WITH AND WITHOUT RECORDED CABIN INFORMATION - YES**

```
SELECT  Survived,
            COUNT(Cabin) as "Has Cabin Records",
            CONCAT(ROUND(((COUNT(Cabin)/891)*100) ,2), "%") as "Survival Rate" FROM titanic
WHERE Cabin != ""

GROUP BY Survived
ORDER BY Survived DESC;
```



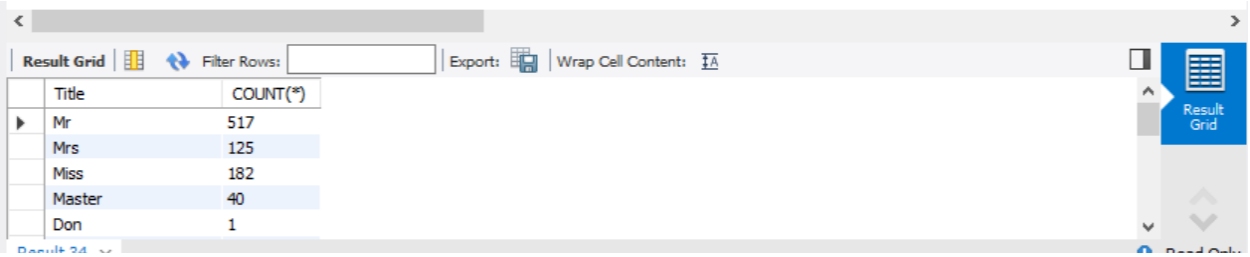
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| Survived | Has Cabin Records | Survival Rate |
|---|---|---|
| 1 | 136 | 15.26% |
| 0 | 68 | 7.63% |

Result 22

**EXTRACT TITLES FROM PASSENGER NAME AND COUNT THE NUMBER OF PASSENGERS WITH EACH TITLE**

```
SELECT SUBSTRING_INDEX(SUBSTRING_INDEX(Name, ',', -1),'.', 1) as "Title",
            COUNT(*) FROM titanic

GROUP BY Title;
```



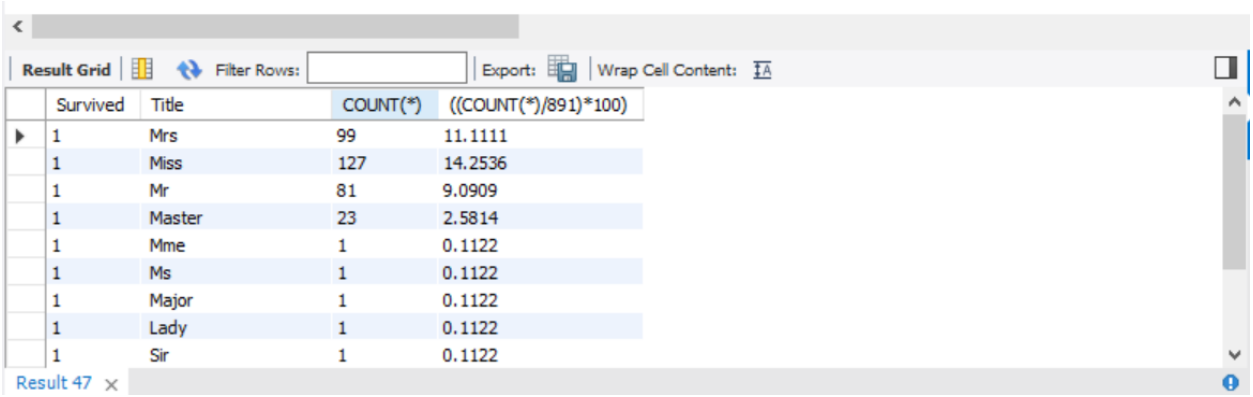
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| Title | COUNT(*) |
|---|---|
| Mr | 517 |
| Mrs | 125 |
| Miss | 182 |
| Master | 40 |
| Don | 1 |

Result Grid

**COMPARE THE SURVIVAL RATES FOR DIFFERENT TITLES**

```
SELECT Survived, SUBSTRING_INDEX(SUBSTRING_INDEX(Name, ',', -1),'.', 1) as "Title",
                COUNT(*), ((COUNT(*)/891)*100) FROM titanic

WHERE Survived = 1

GROUP BY Survived, Title;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| Survived | Title | COUNT(*) | ((COUNT(*)/891)*100) |
|---|---|---|---|
| 1 | Mrs | 99 | 11.1111 |
| 1 | Miss | 127 | 14.2536 |
| 1 | Mr | 81 | 9.0909 |
| 1 | Master | 23 | 2.5814 |
| 1 | Mme | 1 | 0.1122 |
| 1 | Ms | 1 | 0.1122 |
| 1 | Major | 1 | 0.1122 |
| 1 | Lady | 1 | 0.1122 |
| 1 | Sir | 1 | 0.1122 |

Result 47