

NULLs Examples

```
use CAP
go

if exists (select *
           from sysobjects
           where id = Object_id('Names') and type in
           ('U','S')
          )
begin
    DROP TABLE Names
end
GO
```

```
create table Names(
    pid      integer      not null,
    fname    varchar(20) not null,
    rank     integer,
    favorite integer,
    primary key( pid )
)
go
```

```
insert into Names( pid, fname, rank, favorite )           (1 row(s) affected)
values( 1, 'Alan', 12, 42 )
go
insert into Names( pid, fname, rank, favorite )           (1 row(s) affected)
values( 2, 'Brian', 1, NULL )
go
insert into Names( pid, fname, rank, favorite )           (1 row(s) affected)
values( 3, 'Max', NULL, 86 )
go
insert into Names( pid, fname, rank, favorite )           (1 row(s) affected)
values( 4, 'Ben', 4, 2112 )
go
insert into Names( pid, fname, rank, favorite )           (1 row(s) affected)
values( 5, 'Bond', NULL, 7 )
go
```

```

select *
from Names
go

```

pid	fname	rank	favorite
1	Alan	12	42
2	Brian	1	NULL
3	Max	NULL	86
4	Ben	4	2112
5	Bond	NULL	7

(5 row(s) affected)

```

select *
from Names
order by rank
go

```

pid	fname	rank	favorite
3	Max	NULL	86
5	Bond	NULL	7
2	Brian	1	NULL
4	Ben	4	2112
1	Alan	12	42

(5 row(s) affected)

```

select *
from Names
order by rank DESC
go

```

pid	fname	rank	favorite
1	Alan	12	42
4	Ben	4	2112
2	Brian	1	NULL
3	Max	NULL	86
5	Bond	NULL	7

(5 row(s) affected)

```

select avg(rank) as "Average Rank"
from names
go

```

Average Rank

5
(1 row(s) affected)
Warning: Null value eliminated from aggregate.

```

select avg(favorite)
from names
go

```

561
(1 row(s) affected)
Warning: Null value eliminated from aggregate.

```

select count(*)
from names
go

```

5
(1 row(s) affected)

```
select count(rank) as "Count of rank"
from names
go
```

```
Count of rank
-----
3
(1 row(s) affected)
Warning: Null value eliminated from aggregate.
```

```
select count(favorite) as "Count of favorite"
from names
go
```

```
Count of favorite
-----
4
(1 row(s) affected)
Warning: Null value eliminated from aggregate.
```

```
select count(fname) as "Count of fname"
from names
go
```

```
Count of fname
-----
5
(1 row(s) affected)
```

```
select favorite - rank as "Difference"
from names
go
```

```
Difference
-----
30
NULL
NULL
2108
NULL
(5 row(s) affected)
```

```
select count(Difference)
from (select favorite - rank as "Difference"
      from names) sub1
```

```
-----
2
(1 row(s) affected)
Warning: Null value eliminated from aggregate.
```