

Q1: Display the key and total price of orders which are ordered with priority "2-HIGH" on September 29th, 1994. (10 points)

orderkey	totalprice
231	191808.17
295	130843.69
16771	80129.43
88356	118708.60
233312	177681.48
275139	70560.74
344037	127347.48
383844	342157.81
389029	82264.42
449191	200123.76
498786	237243.76
508003	244519.11
542823	145699.22
553030	302329.49
559716	141347.32
593283	198470.99
661601	192558.80
696261	187274.25
765153	145533.65
771393	94102.91
839396	199253.72
890722	56940.24
900160	123942.87
904290	291568.47
1008453	4684.29
1018533	87050.89
1047268	116594.86
1140160	138401.27

4575877		67583.86
4634371		216216.90
4648741		236481.31
4661223		231149.47
4775779		204775.24
4898466		240613.36
4902311		74421.97
4910626		234810.36
5088768		232325.15
5112896		129504.36
5227041		96099.62
5239941		250201.07
5315811		341983.00
5335971		53103.11
5423815		15718.39
5474339		105112.64
5495076		27066.43
5504326		128094.97
5709479		110721.28
5737856		97561.01
5789985		255789.43
5794916		240468.12
5850370		192777.04
5874215		221826.49
5884167		139323.98
5893315		194322.10
5909479		381293.57
5918403		171547.30

(125 rows)

(END)

Q2: For each order priority, find the total number of orders that are ordered after January 1st, 1998. Display the order priority and the corresponding total number of orders in descending order. (10 points)

```
sysu=# SELECT data->>'ORDERPRIORITY' as priority,COUNT(*) as sum FROM Orders WHERE data->>'ORDERDATE'>'1998-01-01' GROUP BY priority ORDER BY priority desc;
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priority	sum
5-LOW	26879
4-NOT SPECIFIED	26442
3-MEDIUM	26703
2-HIGH	26419
1-URGENT	26545

(5 rows)

Q3: Display total quantity of lineitems which are ordered in November 1998 for each ship mode except "MAIL". (10 points)

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mode | total
```

mode	total
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(0 rows)

Q4: Find the lineitem which has the maximum extended price and is ordered before 1997. Display the value of this maximum extended price. (10 points)

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maxe
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maxe
104949.50

(1 row)

Q5: Find out the part whose supplier's key is 39. Display the parts' name and size. (10 points)

name	size
navy wheat maroon moccasin indian	5
ivory navajo tomato lace royal	37
almond saddle slate beige magenta	1
orchid firebrick moccasin red maroon	22
plum smoke burlywood black burnished	29
midnight slate violet snow ghost	49
seashell almond smoke misty rose	19
blue light burlywood orchid khaki	4
cyan cornflower metallic cornsilk bisque	36
puff firebrick spring peru cornflower	17
metallic salmon navy dodger papaya	15
olive tan peru yellow antique	15
thistle blanched floral black salmon	16
brown olive sienna rose slate	26
brown chocolate wheat salmon puff	14
pink lime frosted white dim	9
gainsboro burnished navy seashell mint	46
sky peru indian tomato maroon	3
steel salmon dim lace moccasin	35
gainsboro chocolate lace moccasin peru	14
medium plum orchid turquoise puff	26

bisque puff papaya sky dim	12
chartreuse slate midnight wheat floral	24
honeydew tan almond violet deep	18
powder floral aquamarine white dodger	47
chiffon grey wheat spring navy	5
cornsilk floral red beige ghost	9
cream papaya almond indian chocolate	28
violet metallic medium powder navajo	11
goldenrod violet navajo antique turquoise	16
deep green midnight chocolate magenta	7
lime blanched magenta black royal	49
salmon bisque thistle chartreuse sandy	43
linen pink antique chocolate coral	38
rosy indian papaya pale thistle	17
navajo blush slate cornsilk goldenrod	49
cornflower deep maroon slate yellow	26
spring tan lace cyan navy	32
burnished midnight goldenrod cornflower green	13
blush purple peru snow khaki	48
blue grey seashell dark salmon	18
smoke metallic navajo powder azure	35
(80 rows)	

Q6: Find the top 3 parts, in terms of their total quantity shipped from 1993.1.1 to 1995.12.12 . List the parts' keys, names, brands and total quantity. Display the results in descending order of the total quantity. (15 points)

key	name	brand	totalquantity
105977	frosted cyan light blush chartreuse	Brand#43	1784
108224	papaya floral black goldenrod cyan	Brand#34	1770
172767	navajo linen seashell rosy papaya	Brand#42	1758
(3 rows)			

Q7: Find out the costumers who had ordered "AIR" ship at least 2 times in 1996. Display their keys, names, addresses, phones and the total of their orders in 1996. (15 points)

key	name	address	ph
one	totalorders		
29594	Customer#000029594	s2ITekypWc76ZJ2Aq	17-949-
773-3753	2		
74483	Customer#000074483	6Qq4qyEExZ	25-730-
811-5745	4		
82097	Customer#000082097	0wH,Kggo20ymhKL7oMQdnKLUzo7 JlVobe	29-623-
942-6402	6		
13178	Customer#000013178	J0yVNUhDUD3tK0R2CNIX	17-926-
997-5852	2		
124654	Customer#000124654	VPZ6dX2Rs 3yXPiaAf	26-584-
763-9173	6		
31186	Customer#000031186	uovaqFwhSTYBmnWGjfNMLwPh0	19-182-
346-8200	6		
74098	Customer#000074098	7GUr8Z5 6nT8q	13-878-
655-2844	4		
122536	Customer#000122536	tRUBBA5ayNW rZ6DXmLR,h3Ihnxe	11-777-
767-3151	2		
70013	Customer#000070013	HIrJ5Y2SK hECwk9m4b2EmgyDRTDPWm	15-845-
709-8777	2		
145186	Customer#000145186	ysDCge0pJnC65	32-303-
170-4040	4		
10792	Customer#000010792	vmXT ZGMLAYLg	21-206-
630-1773	4		
69428	Customer#000069428	LU sahbc0Hf iRTAH	15-585-
269-5189	4		
18418	Customer#000018418	cP1soRBHwDJZbyyAA2T,jnqKLUCqPluf	29-693-
248-9912	12		

PS:图中宽度不够，自动换行了，数据并没有遗漏~~~