

CREAT DATABASE NOBAL

CREAT TABLE nobal_win

```
(  
YEAR int,  
SUBJECT varchar(255),  
WINNER varchar(255),  
COUNTRY varchar(255),  
CATEGORY varchar(255)  
)
```

```
INSERT INTO nobal_win(YEAR,SUBJECT,WINNER,COUNTRY,CATEGORY) VALUES(1970,"physics","Hannes  
Alfven","Sweden","Scientist"),(1970,"Physics","Louis Neel","France","Scientist"),(1970,"Chemistry","Louis Federico  
Leloir","France","Scientist"),(1970,"Physiology","Ulf Von Euler","Sweden","Scientist"),(1970,"Physiology","Bernard  
Katz","Germany","Scientist"),(1970,"Literature","Aleksandr  
Solzhenitsyn","Russia","Linguist"),(1970,"Economics","Paul  
Samuelson","USA","Economist"),(1970,"Physiology","Julius Axelrod","USA","Scientist"),(1971,"Physics","Dennis  
Gabor","Hungary","Scientist"),(1971,"Chemistry","Gerhard Herzberg","Germany","Scientist"),(1971,"Peace","Willy  
Brandt","Germany","Chancellor"),(1971,"Literature","Pablo Neruda","Chile","Linguist"),(1971,"Economics","Simon  
Kuznets","Russia","Economist"),(1978,"Peace","Anwar al-Sadat","Egypt","President"),(1978,"Peace","Menachem  
Begin","Israel","Prime Minister"),(1987,"Chemistry","Donald J. Cram","USA","Scientist"),(1987,"Chemistry","Jean-  
Marie Lehn","France","Scientist"),(1987,"Physiology","Susumu  
Tonegawa","Japan","Scientist"),(1994,"Economics","Reinhard  
Selten","Germany","Economist"),(1994,"Peace","Yitzhak Rabin","Isreal","Prime  
Minister"),(1987,"Physich","Johannes Georg Bednorz","Germany","Scientist"),(1987,"Litrature","Joseph  
Brodsky","Russia","Linguist"),(1987,"Economics","Robert Solow","USA","Economist"),(1994,"Literature","Kenzaburo  
DE","Japan","Linguist")
```

YEAR	SUBJECT	WINNER	COUNTRY	CATEGORY
1970	physics	Hannes Alfven	Sweden	Scientist
1970	Physics	Louis Neel	France	Scientist
1970	Chemistry	Louis Federico Leloir	France	Scientist
1970	Physiology	Ulf Von Euler	Sweden	Scientist
1970	Physiology	Bernard Katz	Germany	Scientist
1970	Literature	Aleksandr Solzhenitsyn	Russia	Linguist
1970	Economics	Paul Samuelson	USA	Economist
1970	Physiology	Julius Axelrod	USA	Scientist
1971	Physics	Dennis Gabor	Hungary	Scientist
1971	Chemistry	Gerhard Herzberg	Germany	Scientist
1971	Peace	Willy Brandt	Germany	Chancellor
1971	Literature	Pablo Neruda	Chile	Linguist
1971	Economics	Simon Kuznets	Russia	Economist
1978	Peace	Anwar al-Sadat	Egypt	President
1978	Peace	Menachem Begin	Israel	Prime Minister
1987	Chemistry	Donald J. Cram	USA	Scientist
1987	Chemistry	Jean-Marie Lehn	France	Scientist
1987	Physiology	Susumu Tonegawa	Japan	Scientist
1994	Economics	Reinhard Selten	Germany	Economist
1994	Peace	Yitzhak Rabin	Isreal	Prime Minister
1987	Physich	Johannes Georg Bednorz	Germany	Scientist
1987	Litrature	Joseph Brodsky	Russia	Linguist
1987	Economics	Robert Solow	USA	Economist
1994	Literature	Kenzaburo DE	Japan	Linguist

1. Write SQL query to find the nobel prize winners of the year 1970. Return year,subject and winner

```
SELECT year, subject, winner
FROM Nabal_win
WHERE year = 1970;
```

YEAR	SUBJECT	WINNER
1970	physics	Hannes Alfven
1970	Physics	Louis Neel
1970	Chemistry	Louis Federico Leloir
1970	Physiology	Ulf Von Euler
1970	Physiology	Bernard Katz
1970	Literature	Aleksandr Solzhenitsyn
1970	Economics	Paul Samuelson
1970	Physiology	Julius Axelrod

2. Write SQL query to find the nobel prize winners in chemistry between the years 1965 and 1975. Begin and end values are included Return year, subject, winner and country

```
SELECT YEAR, SUBJECT, WINNER, COUNTRY
FROM Nobel_win
WHERE YEAR BETWEEN 1965 AND 1975
AND SUBJECT = 'Chemistry';
```

YEAR	SUBJECT	WINNER	COUNTRY
1970	Chemistry	Louis Federico Leloir	France
1971	Chemistry	Gerhard Herzberg	Germany

3. Write sql query to retrieve the details of the winners whose first name matches with the string 'Louis'. Return year,subject,winner,country

```
SELECT year, subject, winner, country
FROM Nabal_win
WHERE winner LIKE 'Louis%'
```

year	subject	winner	country
1970	Physics	Louis Neel	France
1970	Chemistry	Louis Federico Leloir	France

4. Write sql query to find Nobel prize winners for the subject that does not begin with the letter 'P'. Order the result by year, descending and winner in ascending

```
SELECT year, subject, winner, category
FROM Nabal_win
WHERE NOT subject LIKE 'P%'
ORDER BY year DESC, winner ASC;
```

year	1	subject	winner	2	category
1994	Literature	Kenzaburo	DE	Linguist	
1994	Economics	Reinhard	Seiten	Economist	
1987	Chemistry	Donald J.	Cram	Scientist	
1987	Chemistry	Jean-Marie	Lehn	Scientist	
1987	Litrature	Joseph	Brodsky	Linguist	
1987	Economics	Robert	Solow	Economist	
1971	Chemistry	Gerhard	Herzberg	Scientist	
1971	Literature	Pablo	Neruda	Linguist	
1971	Economics	Simon	Kuznets	Economist	
1970	Literature	Aleksandr	Solzhenitsyn	Linguist	
1970	Chemistry	Louis Federico	Leloir	Scientist	
1970	Economics	Paul	Samuelson	Economist	

5. Write sql query to find the details of 1970 Nobel prize winners. Order the result by subject, ascending except for 'Chemistry' and 'Economics' which will come at the end of the result set. Return year, subject, winner , country and category .

```
SELECT year, subject, winner, country, category
FROM Nabal_win
WHERE year = 1970
ORDER BY CASE
    WHEN subject = 'Chemistry' THEN 2
    WHEN subject = 'Economics' THEN 3
    ELSE 1
END, subject ASC;
```

year	subject	winner	country	category
1970	Literature	Aleksandr Solzhenitsyn	Russia	Linguist
1970	physics	Hannes Alfvén	Sweden	Scientist
1970	Physics	Louis Néel	France	Scientist
1970	Physiology	Ulf Von Euler	Sweden	Scientist
1970	Physiology	Bernard Katz	Germany	Scientist
1970	Physiology	Julius Axelrod	USA	Scientist
1970	Chemistry	Louis Frederico Leloir	France	Scientist
1970	Economics	Paul Samuelson	USA	Economist