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, "Physilogy", "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	Physilogy	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 Nobal_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

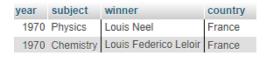
2. Write SQL query to find the nobel prize winners in chemistry between the years 1965 and 1975. Begin and end values are includedReturn year, subject, winner and country

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



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 Nobal_win WHERE winner LIKE 'Louis%'



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 Nobal_win

WHERE NOT subject LIKE 'P%'
ORDER BY year DESC, winner ASC;

1994 Literature | Kenzaburo DE Linauist 1994 Economics Reinhard Selten Economist 1987 Chemistry Donald J. Cram Scientist 1987 Chemistry Jean-Marie Lehn Scientist 1987 Litrature Joseph Brodsky Linauist 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

Economist

1970 Economics Paul Samuelson

year v 1 subject winner 2 category

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 Nobal_win
WHERE year = 1970
ORDER BY CASE
WHEN subject = 'Chemistry' THEN 2
WHEN subject = 'Economics' THEN 3
ELSE 1
```

END, subject ASC;

