* **Write SQL query to solve the problem given below**
* **CREATE** TABLE Nobel\_win(YEAR int,

SUBJECT varchar(200),

WINNER varchar(200),

COUNTRY varchar(100),

CATEGORY varchar(100)

);

**Table structure for table nobel\_win**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| YEAR | int(11) | Yes | NULL |
| SUBJECT | varchar(200) | Yes | NULL |
| WINNER | varchar(200) | Yes | NULL |
| COUNTRY | varchar(100) | Yes | NULL |
| CATEGORY | varchar(100) | Yes | NULL |

* **INSERT** INTO nobel\_win(YEAR, SUBJECT, WINNER, COUNTRY,CATEGORY)

VALUES (1970,"Physics","Hannes Alfven","Sweden","Scientist"),

(1970,"Physics","Louis Neel","France","Scientist"),

(1970,"Chemistry","Luis Federico Leloir","France","Scientist"),

(1970,"Physiology","Ulf von Euler","Sweden","Scientist"),

(1970,"Physiology","Bernard Katz","Germany","Scientist"),

(1970,"Literature","Aleksandr Solzhenitsym","Russia","Linguist"),

(1970,"Economics","Paul Samuelson","USA","Economist"),

(1970,"Physiology","Julius Axelrod","USA","Scientist"),

(1971,"Physics","Dennis Gabor","Hungry","Scientist"),

(1971,"Chemistry","Gerhard Herzberg","Germany","Scientist"),

(1971,"Peace","Willy Brandt","Germany","Chancellor"),

(1971,"Literature","Pablo Neruda","Chile","Linguist"),

(1971,"Economics","Simon Kuznets","Russia","Economics"),

(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","Israel","Prime Minister"),

(1987,"Physics","Johannes George Bednorz","Germany","Scientist"),

(1987,"Literature","Joseph Brodsky","Russia","Linguist"),

(1987,"Economics","Robort Solow","USA","Economist"),

(1987,"Literature","Kenzaburo","Japan","Linguist");

**Dumping data for table nobel\_win**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **YEAR** | **SUBJECT** | **WINNER** | **COUNTRY** | **CATEGORY** |
| 1970 | Physics | Hannes Alfven | Sweden | Scientist |
| 1970 | Physics | Louis Neel | France | Scientist |
| 1970 | Chemistry | Luis Federico Leloir | France | Scientist |
| 1970 | Physiology | Ulf von Euler | Sweden | Scientist |
| 1970 | Physiology | Bernard Katz | Germany | Scientist |
| 1970 | Literature | Aleksandr Solzhenitsym | Russia | Linguist |
| 1970 | Economics | Paul Samuelson | USA | Economist |
| 1970 | Physiology | Julius Axelrod | USA | Scientist |
| 1971 | Physics | Dennis Gabor | Hungry | Scientist |
| 1971 | Chemistry | Gerhard Herzberg | Germany | Scientist |
| 1971 | Peace | Willy Brandt | Germany | Chancellor |
| 1971 | Literature | Pablo Neruda | Chile | Linguist |
| 1971 | Economics | Simon Kuznets | Russia | Economics |
| 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 | Israel | Prime Minister |
| 1987 | Physics | Johannes George Bednorz | Germany | Scientist |
| 1987 | Literature | Joseph Brodsky | Russia | Linguist |
| 1987 | Economics | Robort Solow | USA | Economist |
| 1987 | Literature | Kenzaburo | Japan | Linguist |

**Solve the following query :**

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

* **SELECT** YEAR,SUBJECT,WINNER FROM nobel\_win WHERE YEAR=1970;

1. Write sql query to find the nobel prize winners in chemistry between the years 1965 and 1975. Begin and end are included return year, subject, winner and country.

* **SELECT** YEAR,SUBJECT,WINNER,COUNTRY FROM nobel\_win WHERE SUBJECT="Chemistry" AND YEAR BETWEEN 1965 AND 1975 ;

1. Write sql query to retrieve the details of the winners first name matches with the string ‘Louis’. Return year ,subject ,winner ,country.

* **SELECT** YEAR,SUBJECT,WINNER,COUNTRY FROM nobel\_win WHERE WINNER LIKE "Louis%";

1. Write sql query to find nobel prize winner for the subject that does not begin with the letter “P”. Order the results by Year, subject, winner ,country ,category.

* **SELECT** \* FROM nobel\_win WHERE NOT SUBJECT LIKE "P%" ORDER BY YEAR,SUBJECT,WINNER,COUNTRY,CATEGORY;

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

* **SELECT** \* FROM nobel\_win

WHERE YEAR=1970

ORDER BY

CASE

WHEN SUBJECT IN ("Chemistry","Economics") THEN 1

ELSE 0

END ASC,

YEAR, SUBJECT, WINNER, COUNTRY, CATEGORY;