	player_id	player_name	age_in_years
1	1	Ram Patel	25
2	2	Ramesh Goyal	29
3	3	Surya Kumar	19
4	4	Chandan Kher	24
5	5	Rahul Kulkarni	30
6	6	Sandy Ghosh	28
7	7	Kanya Kumari	26
8	8	Jaylalita K	22

	player_id	year	sport	medal
1	1	1997	Shooting	Bronze
2	1	1998	Shooting	Silver
3	1	1999	Shooting	Gold
4	2	1995	Athletics	Gold
5	2	1998	Athletics	Silver
6	3	1999	Athletics	Bronze
7	3	1998	Athletics	Gold
8	4	1998	Badmi...	Silver

```
/*
Question 1:
Find out youngest Gold medal winner ever.*/
--way 01 using TOP
Select Top(1) p.player_name,p.player_id,p.age_in_years FROM #players p inner join #OlympicsData o on
p.player_id = o.player_id where medal='Gold' Order by p.age_in_years

--Ranking

SELECT t.player_id,t.player_name,t.age_in_years FROM (
Select  p.player_name,p.player_id,p.age_in_years, RANK() over(partition by medal order by
age_in_years) as rnk
FROM #players p inner join #OlympicsData o on
p.player_id = o.player_id where medal='Gold') as t Where t.rnk =1
```

	player_name	player_id	age_in_years
1	Surya Kumar	3	19

	player_id	player_name	age_in_years
1	3	Surya Kumar	19

```
/*Question 3:
Find out players who won Gold as their first medal.*/

select * from (Select  p.player_name,o.medal, Rank()
over( partition by o.player_id  order by year) as rnk
FROM #players p inner join #OlympicsData o on
p.player_id = o.player_id
group by year,medal,player_name,o.player_id) t where
t.medal = 'Gold' AND t.rnk =1
```

	player_name	medal	rnk
1	Ramesh Goyal	Gold	1
2	Surya Kumar	Gold	1

```
/*
Question 4:
List out medal winners in such a fashion that, if a player has
won multiple medals, the MEDALS field shall show the string
'Multiple'. If a player has won only single medal then show
the medal name. Players who have not won any medals shall
not be shown in result set.
For e.g,

PLAYER_NAME MEDALS
Ram Patel Multiple
Rakesh Porwal Silver*/

select Distinct player_name,Case When (select Count(*)
from #OlympicsData where player_id = t.player_id) > 1  then
'Multiple' Else t.medal END as Medal from (Select
p.player_id,p.player_name,o.medal, Rank() over( partition
by o.player_id  order by year) as rnk
FROM #players p Left join #OlympicsData o on p.player_id =
o.player_id
) t
```

	player_name	Medal
1	Chandan Kher	Multiple
2	Jaylalita K	NULL
3	Kanya Kumari	NULL
4	Rahul Kulkarni	NULL
5	Rakesh Porwal	Silver
6	Ram Patel	Multiple
7	Ramesh Goyal	Multiple
8	Sandy Ghosh	Bronze
9	Surya Kumar	Multiple
10	Vinayak Datar	NULL

```
/*Question 2:
Find out Silver medal winners who haven't won any Gold yet.
*/


select * from #Players;
select * from #OlympicsData;

Select  p.player_name,p.player_id,p.age_in_years, RANK() over(partition by medal order by
age_in_years) as rnk
FROM #players p inner join #OlympicsData o on
p.player_id = o.player_id Where medal='Silver' and o.player_id not in
(Select player_id from #OlympicsData where medal='Gold')
```

	player_name	player_id	age_in_years	rnk
1	Rakesh Porwal	9	20	1
2	Chandan Kher	4	24	2