```
SQL> ------ 1906055: Lakhan Kumawat ------
SQL>
SQL> create table stdmain(
2 Rollno number(4) primary key,
3 Name varchar(10),
4 State varchar(10),
5 Dob date check(Dob>='01-Jan-1990' and Dob<='01-Jan-2000'),
6 branch varchar2(5), check(branch in('CSE', 'ECE', 'EEE'))
7 );
Table created.
SQL> insert into stdmain values(1701, 'Arvind', 'WB', '15-Jan-1999', 'CSE');
1 row created.
SQL> insert into stdmain values(1702, 'Jhon', 'MH', '02-Mar-1999', 'EEE');
1 row created.
SQL> insert into stdmain values(1703, 'Mohan', 'UP', '15-Jul-1991', 'ECE');
1 row created.
SQL> insert into stdmain values(1704, 'Ravi', 'MP', '12-May-1994', 'CSE');
1 row created.
SQL> insert into stdmain values(1705, 'Karim', 'BR', '10-Mar-1991', 'ECE');
```

```
1 row created.

SQL> insert into stdmain values(1706, 'Sita', 'UP', '8-Dec-1990', 'EEE');

1 row created.

SQL> insert into stdmain values(1707, 'Pintu', 'BR', '17-Oct-1992', 'CSE');

1 row created.

SQL> select * from stdmain;

ROLLNO NAME STATE DOB BRANC
```

 1701 Arvind
 WB
 15-JAN-99 CSE

 1702 Jhon
 MH
 02-MAR-99 EEE

 1703 Mohan
 UP
 15-JUL-91 ECE

 1704 Ravi
 MP
 12-MAY-94 CSE

 1705 Karim
 BR
 10-MAR-91 ECE

 1706 Sita
 UP
 08-DEC-90 EEE

 1707 Pintu
 BR
 17-OCT-92 CSE

7 rows selected.

SQL> alter table students add city varchar(10);

Table altered.

SQL> select * from stdmain;

ROLLNO NAME STATE DOB BRANC			
1701 Arvind WB 15-JAN-99 CSE			
1702 Jhon MH 02-MAR-99 EEE			
1703 Mohan UP 15-JUL-91 ECE			
1704 Ravi MP 12-MAY-94 CSE			
1705 Karim BR 10-MAR-91 ECE			
1706 Sita UP 08-DEC-90 EEE			
1707 Pintu BR 17-OCT-92 CSE			
7 rows selected.			
SQL> alter table stdmain add city varchar(10);			
Table altered.			
SQL> update stdmain set city='Kolkata' where Rollno=1701;			
1 row updated.			
SQL> update stdmain set city='Mumbai' where Rollno=1702;			
1 row updated.			
SQL> update stdmain set city='Delhi' where Rollno=1703;			
1 row updated.			

SQL> update stdmain set city='Bhopal' where Rollno=1704;

1 row updated.

SQL> update stdmain set city='Patna' where Rollno=1705;

1 row updated.

SQL> update stdmain set city='Kanpur' where Rollno=1706;

1 row updated.

SQL> update stdmain set city='Chennai' where Rollno=1707;

BRANC CITY

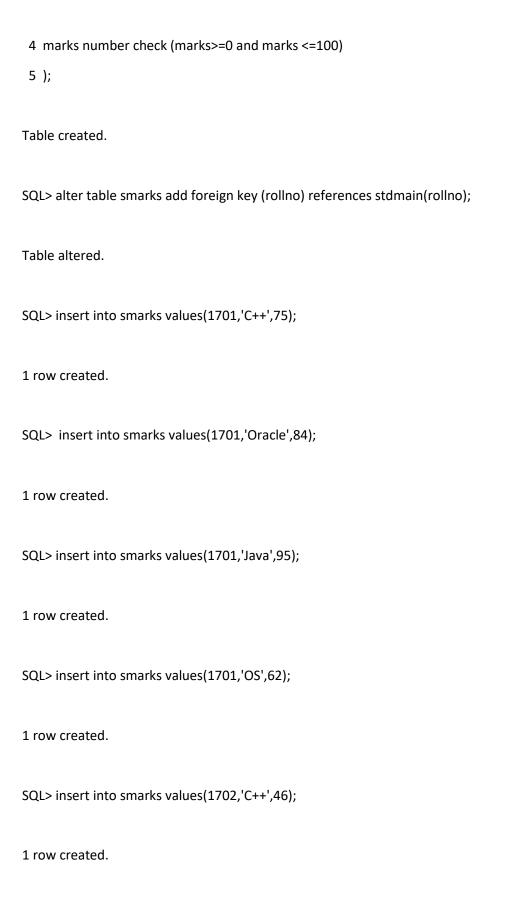
1 row updated.

SQL> select * from stdmain;

ROLLNO NAME STATE DOB

 		·
1701 Arvind	WB	15-JAN-99 CSE Kolkata
1702 Jhon	МН	02-MAR-99 EEE Mumba
1703 Mohan	UP	15-JUL-91 ECE Delhi
1704 Ravi	MP	12-MAY-94 CSE Bhopal
1705 Karim	BR	10-MAR-91 ECE Patna
1706 Sita	UP	08-DEC-90 EEE Kanpur
1707 Pintu	BR	17-OCT-92 CSE Chennai

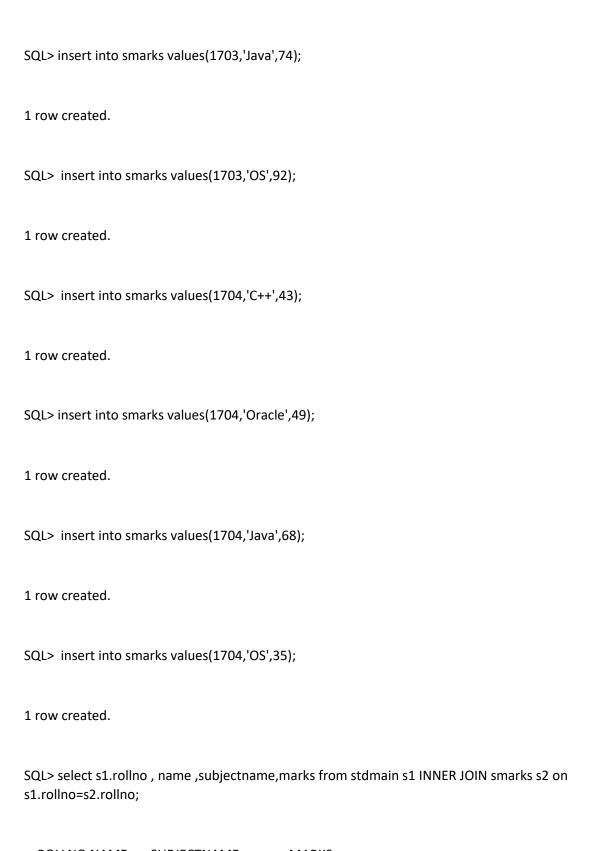
7 rows selected.
SQL> alter table stdmain with check check constraint rollno;
alter table stdmain with check check constraint rollno
*
ERROR at line 1:
ORA-01735: invalid ALTER TABLE option
SQL> select constraint_name,constraint_type,search_condition from user_constraints where table_name='STDMAIN';
CONSTRAINT_NAME C
SEARCH_CONDITION
SYS_C004059 C
Dob>='01-Jan-1990' and Dob<='01-Jan-2000'
SYS_C004060 C
branch in('CSE','ECE','EEE')
SYS_C004061 P
SQL> create table smarks(
2 rollno number,
3 subjectname varchar2(5), check(subjectname in('OS'.'Java'.'Oracle'.'C++')).



SQL> select * from smarks;

ROLLNO SUBJECTNAME		MARKS	
1701 C++	75		
1701 Oracle	84		
1701 Java	95		
1701 OS	62		
1702 C++	46		
SQL> insert into smarks va	lues(17	02,'Oracle',70);	
1 row created.			
SQL> insert into smarks va 1 row created.	lues(17	02,'Java',55);	
SQL> insert into smarks va	lues(17	'02,'OS',56);	
1 row created.			
SQL> insert into smarks values(1703,'C++',82);			
1 row created.			
SQL> insert into smarks va	lues(17	03,'Oracle',84);	

1 row created.



ROLLNO NAME SUBJECTNAME MARKS

	1701 Arvind	C++	75
	1701 Arvind	Oracle	84
:	1701 Arvind	Java	95
:	1701 Arvind	OS	62
:	1702 Jhon	C++	46
:	1702 Jhon	Oracle	70
	1702 Jhon	Java	55
	1702 Jhon	OS	56
	1703 Mohan	C++	82
	1703 Mohan	Oracle	84
:	1703 Mohan	Java	74

ROLLNO NAM	ie subjectnai	ME	MARKS
1703 Mohan	OS .	92	
1704 Ravi	C++	43	
1704 Ravi	Oracle	49	
1704 Ravi	Java	68	
1704 Ravi	OS	35	

16 rows selected.

SQL>

SQL> select s1.rollno , name ,sum(marks) from stdmain s1,smarks s2 where s1.rollno=s2.rollno group by s1.rollno,name;

ROLLNO NAME SUM(MARKS)

ind((sysdate-dob)/365) ' years ' round(mod((sysdate-dob),12)) ' months
ind((sysdate-dob)/365) ' years ' round(mod((sysdate-dob),12)) ' months

1704 12-MAY-94

27 years 1 months		
1705 10-MAR-91		
31 years 8 months		
1706 08-DEC-90		
31 years 4 months		
ROLLNO DOB		
AGE		
1707 17-OCT-92	 	
29 years 9 months		
7 rows selected.		
SQL>		
SQL> spool off		