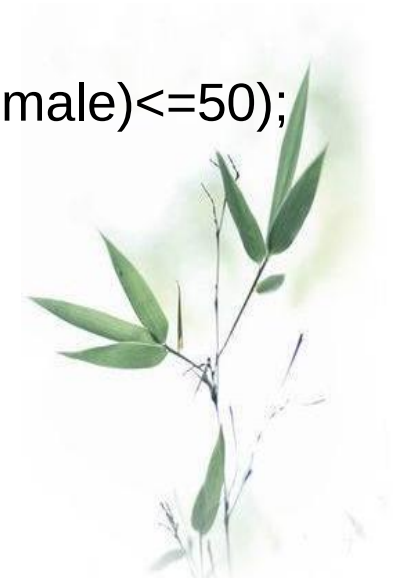
```
CREATE TABLE Female
( Fno CHAR(10) PRIMARY KEY，
  Fname CHAR(10) NOT NULL,
  Fage SMALLINT);

CREATE TABLE Male
( Mno CHAR(10) PRIMARY KEY，
  Mname CHAR(10) NOT NULL,
  Mage SMALLINT );
```

断言代码：

```
 create assertion party
 check ( (select count(*) from male) +  (select count(*) from female)<=50);
```



正确写法

为SC表建立一个名为Checkgrade的触发器，其作用是增加或修改记录时，检查输入的成绩是否[0,100]之间。若输入的成绩在有效范围内，PRINT‘操作成功！’。若输入的成绩不在有效范围内，PRINT‘成绩的取值必须在0到100之间’。

```
Create trigger checkgrade on sc
For insert,update
As
Declare @cj int
Select @cj=grade from inserted
If (@cj<0 or @cj>100)
Begin
 Print ‘成绩的取值必须在0到100之间’
End
Else
 Begin
 Print ‘操作成功！’
End
```

有问题写法

```
CREATE TRIGGER Checkgrade
BEFORE INSERT OR UPDATE ON SC
FOR EACH ROW
BEGIN
    IF NEW.grade < 0 OR NEW.grade > 100 THEN
        SET NEW.grade = NULL;
        PRINT '成绩的取值必须在0到100之间';
    ELSE
        PRINT '操作成功！';
    END IF;
END;
```

有问题写法

```
CREATE TRIGGER Check grade
ON SC
for update, insert
as
if   Grade <=100 AND Grade >=0
     print '操作成功!'
else
     Print '成绩的取值必须在0到100之间'
```

正确写法

```
CREATE TRIGGER Checkgrade
    ON SC
    FOR INSERT, UPDATE
    AS
    DECLARE @NEW_RECORD, @OLD_RECORD
    SELECT @NEW_RECORD FROM inserted, @OLD_RECORD FROM
deleted
    IF(@NEW_RECORD ≥ 0 AND @NEW_RECORD ≤ 100)
        BEGIN
          PRINT '操作成功！ '
        END
    IF(@NEW_RECORD < 0 AND @NEW_RECORD > 100)
        BEGIN
            PRINT '成绩的取值必须在0到100之间'
            ROLLBACK
        END
```

正确写法

```
create trigger Checkgrade
after insert or update on SC
referencing
    newrow as newtuple
for each row
begin
    if (newtuple.grade >= 0) and (newtuple.grade <= 100)
        then PRINT'操作成功! ';
    else
        PRINT'成绩的取值必须在0到100之间';
    end if;
end;
```