1. Consider a database table T containing two columns X and Y each of type integer. After the creation of the table, one record (X=1, Y=1) is inserted in the table. Let MX and My denote the respective maximum values of X and Y among all records in the table at any point in time. Using MX and MY, new records are inserted in the table 128 times with X and Y values being MX+1, 2*MY+1 respectively. It may be noted that each time after the insertion, values of MX and MY change.

What will be the output of the following SQL query after the steps mentioned above are carried out?

```
SELECT Y FROM T WHERE X=7;
```

A. 127
B. 255
C. 129
D. 257
ANS. ( )

2. CREATE TABLE Employee (Emp_id NUMERIC NOT NULL, Name VARCHAR(20) , dept_name VARCHAR(20), Salary NUMERIC UNIQUE(Emp_id,Name));
INSERT INTO Employee VALUES (1002, Ross, CSE, 10000)
INSERT INTO Employee VALUES (1006, Ted, Finance,);
INSERT INTO Employee VALUES (1002, Rita, Sales,20000);
What will be the result of the query? explain the your answer.
a) All statements executed
b) Error in create statement
c) Error in insert into Employee values(1006,Ted,Finance,);
d) Error in insert into Employee values(1008,Ross,Sales,20000);
ANS. ( )
Explanation:

3. CREATE TABLE Manager(ID NUMERIC,Name VARCHAR(20),budget NUMERIC,Details VARCHAR(30));
In order to ensure that the value of budget is non-negative which of the following should be used? explain your answer
a) Check(budget>0)
b) Check(budget<0)
c) Alter(budget>0)
d) Alter(budget<0)
ANS. ( )
Explanation: