**Exercise 5**

**ROLL NO – 34 REMARK:**

**FYBBA(CA) DATE:**

**Q1**

create table machine34(

mid number(3) primary key,

mname varchar2(15) NOT NULL check(mname=upper(mname)),

mtype varchar2(15) check(mtype in('drilling','milling','lathe','turning')),

mprice number(10) check(mprice>0),

mcost number(10),constraint chk\_mcost check(mcost<mprice)

);

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| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| [MACHINE34](javascript:ret_Column('FYBBA34.MACHINE34');) | [MID](javascript:ret_Column('MID');) | Number | - | 3 | 0 | 1 | - | - | - |
|  | [MNAME](javascript:ret_Column('MNAME');) | Varchar2 | 15 | - | - | - | - | - | - |
|  | [MTYPE](javascript:ret_Column('MTYPE');) | Varchar2 | 15 | - | - | - | nullable | - | - |
|  | [MPRICE](javascript:ret_Column('MPRICE');) | Number | - | 10 | 0 | - | nullable | - | - |
|  | [MCOST](javascript:ret_Column('MCOST');) | Number | - | 10 | 0 | - | nullable | - | - |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  | 1 - 5 |  |  | | | | | | | | | | |

**Q2**

create table policy341(

pno number(3) primary key,

pname varchar2(15) NOT NULL check(pname=lower(pname)),

ptype varchar2(15) check(Ptype in('life','vehicle','accident')),

idate date,

sdate date,constraint chk\_sdate check(sdate>idate)

);

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| **Table** | | | | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| [POLICY341](javascript:ret_Column('FYBBA34.POLICY341');) | | | | [PNO](javascript:ret_Column('PNO');) | Number | - | 3 | 0 | 1 | - | - | - |
|  | | | | [PNAME](javascript:ret_Column('PNAME');) | Varchar2 | 15 | - | - | - | - | - | - |
|  | | | | [PTYPE](javascript:ret_Column('PTYPE');) | Varchar2 | 15 | - | - | - | nullable | - | - |
|  | | | | [IDATE](javascript:ret_Column('IDATE');) | Date | 7 | - | - | - | nullable | - | - |
|  | | | | [SDATE](javascript:ret_Column('SDATE');) | Date | 7 | - | - | - | nullable | - | - |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  | 1 - 5 |  |  | | | | | | | | | | | | | |
|  |  |  |  |

**Q3**

create table emp341(

empno number(3) primary key,

empname varchar2(15) NOT NULL check(empname=upper(empname)),

emp\_desg varchar2(15) check(emp\_desg in('manager','staff','worker')),

empsal number(10) check(empsal>0),

euid number(5),constraint chk\_euid check(euid<>empno)

);

|  |  |  |  |  |  |  |  |  |  |
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| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| [EMP341](javascript:ret_Column('FYBBA34.EMP341');) | [EMPNO](javascript:ret_Column('EMPNO');) | Number | - | 3 | 0 | 1 | - | - | - |
|  | [EMPNAME](javascript:ret_Column('EMPNAME');) | Varchar2 | 15 | - | - | - | - | - | - |
|  | [EMP\_DESG](javascript:ret_Column('EMP_DESG');) | Varchar2 | 15 | - | - | - | nullable | - | - |
|  | [EMPSAL](javascript:ret_Column('EMPSAL');) | Number | - | 10 | 0 | - | nullable | - | - |
|  | [EUID](javascript:ret_Column('EUID');) | Number | - | 5 | 0 | - | nullable | - | - |
| |  |  |  |  | | --- | --- | --- | --- | |  |  | 1 - 5 |  | | | | | | | | | | |

**Q4**

create table room341(

roomno number(3) primary key,constraint chk\_roomno check (roomno between 1 and 100),

rtype varchar2(15) check(rtype in('single','double','family')),

price number(4),constraint chk\_price check(price between 500 and 1000)

);

|  |  |  |  |  |  |  |  |  |  |
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| **Table** | **Column** | **Data Type** | **Length** | **Precision** | **Scale** | **Primary Key** | **Nullable** | **Default** | **Comment** |
| [ROOM341](javascript:ret_Column('FYBBA34.ROOM341');) | [ROOMNO](javascript:ret_Column('ROOMNO');) | Number | - | 3 | 0 | 1 | - | - | - |
|  | [RTYPE](javascript:ret_Column('RTYPE');) | Varchar2 | 15 | - | - | - | nullable | - | - |
|  | [PRICE](javascript:ret_Column('PRICE');) | Number | - | 4 | 0 | - | nullable | - | - |
| |  |  |  |  | | --- | --- | --- | --- | |  |  | 1 - 3 |  | | | | | | | | | | |