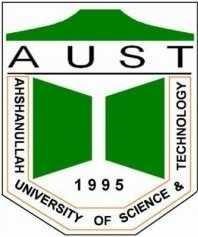
***Ahsanullah University of Science &Technology***

Department of Computer Science &Engineering

FALL 2019



**Graveyard Management System**

Database Lab (CSE 3104)

Submitted By:

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**Description:**

Our project name is Graveyard Management System. In this project, we are using Microsoft SQL Server Management Studio. There are 5 tables in our project. Those are below:

1. login
2. GeneralGrave
3. OwnerInfo
4. PaymentInfo
5. Permanent\_CorpseInfo

**Attributes and Data Types of Tables:**

**login**

|  |  |
| --- | --- |
| **Attributes** | **Data types** |
| Sno (Primary Key) | int |
| Full\_name | varchar |
| Email | varchar |
| Password | varchar |
| MobileNumber | Int |

**GeneralGrave**

|  |  |
| --- | --- |
| **Attributes** | **Data types** |
| general\_grave\_id | Int |
| general\_grave\_size | Varchar |
| General\_Corpse\_Id(Primary Key) | Int |
| corpseType | varchar |
| corpseName | varchar |
| corpseGender | varchar |
| corpseFatherName | varchar |
| corpseMotherName | varchar |
| corpseDateOfBirth | date null |
| corpseDateOfDeath | date null |
| corpseTimeOfDeath | varchar |
| corpseCauseOfDeath | varchar |
| guardianContactNo | varchar |
| guardianRelation | varchar |
| guardianAddress | varchar |
| guardianName | varchar |
| corpseNidNo | varchar |
| corpseBirthCertificateNo | varchar |
| burriedDate | date |
| RecycleDate | date |
| Fee | Int(default 0) |

**OwnerInfo:**

|  |  |
| --- | --- |
| **Attributes** | **Data Types** |
| serialNo (Primary Key) | int |
| ownerId | int |
| ownerName | varchar |
| ownerPhoneNumber | int |
| ownerNidOrBirthCertificate | varchar |
| ownerAddress | varchar |
| SellingStatus(Default Available) | varchar |
| generalGraveId ( check(generalGraveId>2000)) | int |
| availablility (DEFAULT empty) | varchar |

**Permanenr\_Corpse\_Info**

|  |  |
| --- | --- |
| **Attributes** | **Data Types** |
| permanentCorpseId (Primary Key) | int |
| permanentGraveId | int |
| permanentGraveSize | varchar |
| serialNo (FOREIGN KEY) | int |
| ownerId | int |
| RelationWithOwner | varchar |
| availablility | varchar |
| corpseType | varchar |
| corpseName | varchar |
| corpseGender | varchar |
| corpseFatherName | varchar |
| corpseMotherName | varchar |
| corpseDateOfBirth | date |
| corpseDateOfDeath | date |
| corpseTimeOfDeath | varchar |
| corpseCauseOfDeath | varchar |
| corpseNidOrBirthCertificate | varchar |
| burriedDate | date |
| RecycleDate | date |

**PaymentInfo**

|  |  |
| --- | --- |
| **Attributes** | **Data types** |
| paymentid (FOREIGN KEY) | int |
| Serialno(Forigen Key) | int |
| OwnerId | int |
| General\_graveId | int |
| fee | int |

|  |  |
| --- | --- |
| **SQL Advanced Query** | **Works** |
| **Query No:1** |  |
| BEGIN TRANSACTION  update A  set A.ownerId = 2,  A.ownerName='tonima Islam',  A.ownerPhoneNumber=01840753284,  A.ownerNidOrBirthCertificate='147852369',  A.ownerAddress='mohakhali dhaka',  A.SellingStatus='sold',  A.availablility='empty'  from OwnerInfo A inner join paymentInfo B  on B.serialNo = A.serialNo  and A.serialNo = 2  update B  set B.fee = 5000  from paymentInfo B inner join OwnerInfo A  on B.serialNo = A.serialNo  and A.serialNo = 2  update C  set C.permanentGraveId = 1000,  C.permanentGraveSize='SMALL',  C.RelationWithOwner='FATHER',  C.corpseName='Mukta Akter',  C.corpseGender='female',  C.corpseFatherName='Anisul Islam',  C.corpseMotherName='Munia Akter',  C.corpseDateOfBirth='2013-02-12',  C.corpseDateOfDeath='2013-02-12',  C.corpseTimeOfDeath='03.49',  C.corpseCauseOfDeath='Natural',  C.corpseNidOrBirthCertificate='123741852',  C.burriedDate='2013-02-12',  C.RecycleDate='2013-02-12'  from Permanent\_CorpseInfo C inner join OwnerInfo A on  C.serialNo = A.serialNo  and C.serialNo = 2  and C.permanentCorpseId=3 COMMIT | updating permanent\_CorpseInfo,ownerInfo and paymentInfo Table useing Inner join |
| **Query No:2** |  |
| SELECT OwnerInfo.serialNo,  OwnerInfo.ownerId,  OwnerInfo.ownerName,  OwnerInfo.ownerPhoneNumber,  OwnerInfo.ownerNidOrBirthCertificate,  OwnerInfo.ownerAddress,  OwnerInfo.SellingStatus,  OwnerInfo.availablility,  Permanent\_CorpseInfo.permanentCorpseId,  Permanent\_CorpseInfo.permanentGraveId,  Permanent\_CorpseInfo.permanentGraveSize,  Permanent\_CorpseInfo.RelationWithOwner,  Permanent\_CorpseInfo.corpseName,  Permanent\_CorpseInfo.corpseGender,  Permanent\_CorpseInfo.corpseFatherName,  Permanent\_CorpseInfo.corpseMotherName,  Permanent\_CorpseInfo.corpseDateOfBirth,  Permanent\_CorpseInfo.corpseDateOfDeath,  Permanent\_CorpseInfo.corpseTimeOfDeath,  Permanent\_CorpseInfo.corpseCauseOfDeath,  Permanent\_CorpseInfo.corpseNidOrBirthCertificate,  Permanent\_CorpseInfo.burriedDate,  Permanent\_CorpseInfo.RecycleDate,  paymentInfo.fee,  paymentInfo.paymentid  FROM paymentInfo  INNER JOIN OwnerInfo  ON paymentInfo.generalGraveId = OwnerInfo.generalGraveId  LEFT JOIN Permanent\_CorpseInfo  ON Permanent\_CorpseInfo.permanentGraveId=OwnerInfo.generalGraveId | Selecting permanent\_CorpseInfo,ownerInfo and paymentInfo Table |
| **Query No:3** |  |
| BEGIN TRANSACTION  DELETE FROM  Permanent\_CorpseInfo  WHERE serialNo = 1009 AND permanentCorpseId=1002;  DELETE FROM paymentInfo  WHERE serialNo = 1009 ;  DELETE FROM OwnerInfo  WHERE serialNo = 1009;  COMMIT | Deleting the selected row of permanent\_CorpseInfo,ownerInfo and paymentInfo Table |
| **Query No:4** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND corpseName LIKE '%Mahiha mahi%'  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | Search by name |
| **Query No:5** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND permanentGraveId =21  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | search by permanentGraveId |
| **Query No:6** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND permanentGraveSize ='"+burried\_date+"'  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | search by grave size |
| **Query No:7** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND ownerName LIKE '%Mahiha mahi%'  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | search by Owner name |
| **Query No:8** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND corpseGender ='"+burried\_date+"'  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | search by Corpse Gender |
| **Query No:9** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND a.availablility ='empty'  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | search by availability |
| **Query No:10** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND b.RelationWithOwner ='Father'  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | .search by relation |
| **Query No:11** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND b.corpseCauseOfDeath ='Natural'  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | search by Cause of Death |
| **Query No:12** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND b.ownerId =1  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | search by owner Id |
| **Query No:13** |  |
| SELECT a.serialNo,  a.ownerId,  a.ownerName,  a.ownerPhoneNumber,  a.ownerNidOrBirthCertificate,  a.ownerAddress,  a.SellingStatus,  a.availablility,  b.permanentCorpseId,  b.permanentGraveId,  b.permanentGraveSize,  b.RelationWithOwner,  b.corpseName,  b.corpseGender,  b.corpseFatherName,  b.corpseMotherName,  b.corpseDateOfBirth,  b.corpseDateOfDeath,  b.corpseTimeOfDeath,  b.corpseCauseOfDeath,  b.corpseNidOrBirthCertificate,  b.burriedDate,  b.RecycleDate,  c.fee,  c.paymentid  FROM OwnerInfo AS a  INNER JOIN Permanent\_CorpseInfo AS b  ON b.permanentGraveId=a.generalGraveId  AND b.burriedDate ='19-05-2020'  INNER JOIN paymentInfo AS c  ON c.generalGraveId = a.generalGraveId | search by burried date |
| **Query No:14** |  |
| select burried,sum(t.NumberOfPerson) as NumberOfPerson from  ((SELECT burriedDate as burried,COUNT(burriedDate) AS NumberOfPerson FROM Permanent\_CorpseInfo GROUP BY BurriedDate)  union all  (SELECT burriedDate as burried,COUNT(burriedDate) AS NumberOfPerson FROM GeneralGrave1 GROUP BY burriedDate)) t  GROUP BY burried | Number of people burring in one day |
| **Query No:15** |  |
| select cause,sum(t.NumberOfPerson) as NumberOfPerson from  ((SELECT corpseCauseOfDeath as cause ,COUNT (corpseCauseOfDeath) AS NumberOfPerson  FROM Permanent\_CorpseInfo GROUP BY corpseCauseOfDeath )  union all  (SELECT corpseCauseOfDeath as cause,COUNT (corpseCauseOfDeath) AS NumberOfPerson  FROM GeneralGrave1 GROUP BY corpseCauseOfDeath)) t  GROUP BY cause | Number of people died in same cause |
| **Query No:16** |  |
| select gender,sum(t.NumberOfPerson) as NumberOfPerson from  ((SELECT corpseGender as gender,COUNT (corpseGender) AS NumberOfPerson FROM Permanent\_CorpseInfo GROUP BY corpseGender)  union all  (SELECT corpseGender as gender,COUNT (corpseGender) AS NumberOfPerson FROM GeneralGrave1 GROUP BY corpseGender)) t  GROUP BY gender | Number of people died in same gender |
| **Query No:17** |  |
| select graveSize,sum(t.NumberOfPerson) as NumberOfPerson from ((SELECT permanentGraveSize as graveSize ,COUNT (permanentGraveSize) AS NumberOfPerson  FROM Permanent\_CorpseInfo GROUP BY permanentGraveSize)  union all  (SELECT generalGraveSize as graveSize ,COUNT (generalGraveSize) AS NumberOfPerson  FROM GeneralGrave1 GROUP BY generalGraveSize )) GROUP BY graveSize | .number of people burried in same grave size |
| **Query No:18** |  |
| SELECT ownerId,COUNT (ownerId) AS NumberOfPerson FROM OwnerInfo GROUP BY ownerId ORDER BY ownerId;  SELECT ownerId ,ownerName,COUNT (ownerId) AS NumberOfPerson FROM OwnerInfo GROUP BY ownerId,ownerName ORDER BY ownerId; | number of plot bought by one owner |
| **Query No:19** |  |
| (SELECT permanentGraveId,COUNT (permanentGraveId) AS NumberOfPerson  FROM Permanent\_CorpseInfo GROUP BY permanentGraveId )  UNION ALL  (SELECT generalGraveId,COUNT (generalGraveId) AS NumberOfPerson  FROM GeneralGrave1 GROUP BY generalGraveId) | .Number of people burried in same plot |
| **Query No:20** |  |
| select Year,sum(t.NumberOfPerson) as NumberOfPerson from  ((SELECT DATEPART(YEAR,burriedDate) As Year ,COUNT(DATEPART(YEAR,burriedDate)) AS NumberOfPerson FROM Permanent\_CorpseInfo GROUP BY DATEPART(YEAR,burriedDate))  union all  (SELECT DATEPART(YEAR,burriedDate) As Year ,COUNT(DATEPART(YEAR,burriedDate)) AS NumberOfPerson FROM GeneralGrave1 GROUP BY DATEPART(YEAR,burriedDate))) t  GROUP BY Year | Number of people died in one year |
| **Query No:21** |  |
| (select  generalGraveId as plotNo,  generalGraveSize as plotSize,  generalCorpseId as corpseId,  corpseType as type,  corpseName as name,  corpseGender as gender,  corpseFatherName as father,  corpseMotherName as mother,  corpseDateOfBirth as dob,  corpseDateOfDeath as dod,  corpseTimeOfDeath as tod,  corpseCauseOfDeath as cod,  guardianContactNo as phn,  guardianRelation as relation,  guardianAddress as address,  guardianName as relativeName,  corpseNidNo as nid,  burriedDate as burried,  RecycleDate as recylce,  fee as fee  from GeneralGrave1)  UNION all  (SELECT  Permanent\_CorpseInfo.permanentGraveId as plotNo,  Permanent\_CorpseInfo.permanentGraveSize as plotSize,  Permanent\_CorpseInfo.permanentCorpseId as corpseId,  Permanent\_CorpseInfo.corpseType as type,  Permanent\_CorpseInfo.corpseName as name,  Permanent\_CorpseInfo.corpseGender as gender,  Permanent\_CorpseInfo.corpseFatherName as father,  Permanent\_CorpseInfo.corpseMotherName as mother,  Permanent\_CorpseInfo.corpseDateOfBirth as dob,  Permanent\_CorpseInfo.corpseDateOfDeath as dod,  Permanent\_CorpseInfo.corpseTimeOfDeath as tod,  Permanent\_CorpseInfo.corpseCauseOfDeath as cod,  OwnerInfo.ownerPhoneNumber as phn,  Permanent\_CorpseInfo.RelationWithOwner as relation,  OwnerInfo.ownerAddress as address,  OwnerInfo.ownerName relativeName,  Permanent\_CorpseInfo.corpseNidOrBirthCertificate as nid,  Permanent\_CorpseInfo.burriedDate as burried,  Permanent\_CorpseInfo.RecycleDate as recylce,  paymentInfo.fee as fee  FROM OwnerInfo  INNER JOIN Permanent\_CorpseInfo  ON Permanent\_CorpseInfo.permanentGraveId=OwnerInfo.generalGraveId  INNER JOIN paymentInfo  ON OwnerInfo.generalGraveId=paymentInfo.generalGraveId  ) | Showing the Whole Database |
| **Query No:22** |  |
| select  o.serialNo,  o.ownerId,  o.ownerName,  o.ownerPhoneNumber,  o.ownerNidOrBirthCertificate ,  o.ownerAddress ,  o.SellingStatus,  o.generalGraveId ,  o.availablility,  p.paymentid ,  p.fee  from OwnerInfo o inner join paymentInfo p  on o.serialNo=p.serialNo and o.ownerId=2; | Showing the owner info and payment info in the receipt |
| **Query No:23** |  |
| UPDATE t1  SET t1.availablility = t2.availablility  FROM Permanent\_CorpseInfo t2  INNER JOIN OwnerInfo t1 ON  t2.availablility = 'Occupied' AND t2.serialNo=t1.serialNo AND t2.RecycleDate >= CAST(CURRENT\_TIMESTAMP AS DATE) | if the availability of permanent\_corpseInfo is occupied then the availability of OwnerInfo will be Occupied |
| **Query No:24** |  |
| UPDATE t1 SET t1.availablility ='empty'  FROM Permanent\_CorpseInfo t2  INNER JOIN OwnerInfo t1  ON t2.RecycleDate <= CAST(CURRENT\_TIMESTAMP AS DATE) AND t2.serialNo=t1.serialNo | the availability of ownerInfo table will be empty if the recycle date is over |
| **Query No:25** |  |
| UPDATE Permanent\_CorpseInfo  SET availablility ='empty'  WHERE RecycleDate <= CAST(CURRENT\_TIMESTAMP AS DATE) | the availability of Permanent\_corpseInfo table will be empty if recycle date is over |
| **Query No:26** |  |
| UPDATE t2 SET t2.ownerId = t1.ownerId,  t2.availablility = t1.availablility  FROM Permanent\_CorpseInfo t2  INNER JOIN OwnerInfo t1 ON  t2.serialNo=t1.serialNo | When update occurs the ownerId and availability will be change in permanent\_CorpseInfo table |
| **Query No:27** |  |
| UPDATE t2  SET t2.generalGraveId = t1.permanentGraveId  FROM OwnerInfo t2  INNER JOIN Permanent\_CorpseInfo t1 ON  t2.serialNo=t1.serialNo | When update occurs the Plot No will be changed in ownerInfo table |
| **Query No:28** |  |
| UPDATE t2  SET t2.ownerId = t1.ownerId,  t2.generalGraveId = t1.generalGraveId  FROM paymentInfo t2  INNER JOIN OwnerInfo t1 ON t2.serialNo=t1.serialNo | When update occurs the the ownerId and PlotNo will be change in PaymentInfo table |
| **Query No:29** |  |
| SUM(t.available) from ((SELECT(2000-COUNT(DISTINCT generalGraveId)) as available FROM GeneralGrave1 where RecycleDate>GETDATE()) union all(SELECT(2000-COUNT(DISTINCT permanentCorpseId)) as available FROM Permanent\_CorpseInfo where RecycleDate>GETDATE())) | To show no of available plots |
| **Query No:30** |  |
| SELECT generalGraveId,Max(recycleDate) AS recycleDate FROM GeneralGrave1 where recycleDate>GETDATE() group by generalGraveId | To show occupied plots of GeneralGrave |
| **Query No:31** |  |
| SELECT(2000-COUNT(DISTINCT generalGraveId)) as available FROM OwnerInfo | To no of show sold plots |
| **Query No:32** |  |
| CT permanentGraveId,COUNT (permanentGraveId) AS NumberOfPerson FROM Permanent\_CorpseInfo GROUP BY permanentGraveId) UNION ALL (SELECT generalGraveId,COUNT (generalGraveId) AS NumberOfPerson FROM GeneralGrave1 GROUP BY generalGraveId ) | To show usage frequency of plots |

**ER Diagram of Graveyard Management System:**

