XYZ wants to organize the walking interview in coming month. The applicants can apply for a position through various sources like – Recruitment agencies and from advertisement. The record of all its related information is kept in the following tables.

**1. Position :** Contains position’s information

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Constraint** | **Description** |
| PCode | Varchar(4) | Primary Key | Id of the position |
| Description | Varchar(25) | Not Null | Description of the position |
| ProStrength | Decimal(4) |  | Proposed Strength of Postion |
| CurrStrength | Decimal(4) |  | Current Strength of Position |

**2. NewsAd :** Contains Advertisement information which is pub

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Constraint** | **Description** |
| NewsAdNo | Varchar(4) | Primary Key | News Advertisement No |
| NewsCode | Varchar(4) |  | News Paper Code in which ad. Published |
| AdStartDate | Datetime |  | Start date of Ad published in Newspaper |
| Deadline | Datetime |  | Deadline of the advertisement |

**3. Agencies :** Contains agencies’ information

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Constraint** | **Description** |
| AgencyCode | Varchar(4) | Primary Key | Unique code of the agency |
| Name | Varchar(20) |  | Name of the agency |
| City | Varchar(15) |  | City of the agency |
| Zip | Varchar(10) |  | Zip |
| PercentageCharge | Decimal(4) |  | Percentage charge of the agencies |

**4. Candidate :** Contains candidate information

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Constraint** | **Description** |
| Ccode | Varchar(6) | Primary Key | Unique candidate code |
| Name | Varchar(25) |  | Candidate name |
| Phone | Varchar(15) |  | Phone |
| City | Varchar(10) |  | City of the candidate |
| PCode | Varchar(4) | References Position-Pcode | Position code refers from the Position table |
| NewsAdNo | Varchar(4) | References NewsAd-NewsAdNo | It refers from the Newsad table |
| AgencyCode | Varchar(4) | References Agencies-AgencyCode | It refers from the agencies table |

**Questions**

Q1. Display the total no of candidates who belongs to ‘Delhi’ city and are referred by Agencies. **[2]**

Q2. Display names of the candidates and their agency name through which they have been hired, for the postion ‘Marketing Manager’. **[2]**

Q3. Display NewsCode (code of the advertisement) and total no of candidates hired by all the advertisements which are published between ’01-May-2009’ and ’31-May-2009’. **[3]**

Q4. List the agencies who live in the same city as the candidate “Mansoor Ahmad”. Use self join.  **[4]**

Q5. Display the position name (description of the position) and no of candidates as candidate\_cnt recruited for that position referred by advertisement such that more than 2 candidates are recruited. **[4]**

Q6. Display the description of positions which contains ‘Manager’ string using CHARINDEX function. **[2]**

Q7. Display Candidate id, name and comments of the entire candidate using case statement where comment is

If city is ‘Delhi’ then ‘It is local candidate for Delhi office’

If city is ‘Pune’ then ‘It is local candidate for Pune office’

If city is ‘Kolkata’ then ‘It is local candidate for Kolkata office’

Else ‘Not local candidate of any offices’

The displaying format is as follows:

Candidate Name City Comment **[3]**

Q8. Display names of the candidates who are referenced by the same advertise as that of ‘Neeraj Singh’ using sub query. **[3]**

Q9. Display the positions for which no candidate has been recruited using correlated query. **[3]**

Q10. Create a view containing candidate name, position description, agency code, agency name, city and percentageCharge for all candidates which are recruited by Agencies. **[4]**

Q11. Create a procedure, which accepts city of a candidate and displays following for the candidates of that city: **[5]**

Candidate details for the City: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Candidate Name Position Agency Name

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