Answer 1.1

a) The query gives the first name, last name, phone and country of the customer who have filed a report with the employees of postal code 'T3B 1Y7'.

b) $J1 \leftarrow \rho_{c(Customer)} \; |X| \; _{c.SupportRepId=e.EmployeeId} \; \rho_{e(Employee)}$
   $S \leftarrow \sigma_{e.PostalCode='T3B \; 1Y7'} (J1)$
   $P \leftarrow \pi_{c.FirstName, \; c.LastName, \; c.Phone, \; c.Country} (S)$
   $R \leftarrow \rho_{c(cFirst, \; cLast, \; cPhone, \; cCountry)}(P)$

Where 'R' is the final result of the query.

Answer 1.2

a) The query selects artist name, album name, title name and media type name of all medias whose type is anything other than 'MPEG audio file'.

b)
```
SELECT        a.name as artName,
              alb.title as albTitle,
              t.name as tName,
              mt.name as mType
FROM     artist a INNER JOIN album alb
              INNER JOIN track t
              INNER JOIN mediatype mt
         ON t.mediaTypeId=mt.MediaTypeId
         AND t.albumId=alb. albumId
         AND a.ArtistId=alb.ArtistId
WHERE    mt.Name <> 'MPEG audio file'
ORDER BY a.name ASC,
         tName ASC,
         alb.title ASC
```