**Execute the Solution**

First you have to execute the create\_user.sql (you must be connected as a SYSTEM user to to this).

Then you should connect with USER = XYZG\_ADMIN, PASSWORD = XYZG\_ADMIN.

Then just execute the master.sql

**Question**

**Case Study**

*XYZ Gardening*

After last year’s success with XYZ Builders Merchants the business empire of the South Boscombe based company XYZ is this time expanding into gardening services. For that purpose, they registered a new business called XYZ Gardening (XYZG), and XYZG naturally needs to have some means of storing data.

Naturally, all the data is again stored on secure servers, and the company is completely compliant with the Data Protection Act (Great Britain, 1998).

The new database again needs to hold information on customers and the services carried out for them. Some clients may have special contracts. This means that those clients pay a monthly fee, and all jobs for the clients will automatically be covered by this fee. These contracts expire after one year. Clients who want to continue to receive the services will have to sign a new contract. All other clients pay on a job by job basis. Clients could have several gardens for which jobs are carried out. Each garden is only owned by one client. As part of a job a client usually wants to have services taken care of. These services are essentially tasks connected to one job. If a job is for a client who owns several gardens a job could involve several gardens, and a garden could over time have several jobs carried out.

Each job consists of several tasks, and the time it takes to carry out the task is recorded for each task. A task can be categorised as a task type, and each task type will have an hourly rate associated. Tasks that are not easily categorised will be classed as ‘Other’, and ‘Other’ tasks will be charged with the highest rate.

The company also wants to know the name of the staff who worked on a job. XYZG are not interested which member of staff carried out which task. A job may need more than one person working on it, and XYZG has staff employed on long-term contracts.

To ensure that staff are working safely, the company records all the training carried out by staff. This includes sessions such as “Don’t throw blades!”, “Chemicals are not for drinking” and “Fire; Why do we worry?”. These sessions are attended by several staff, and each member of staff will have to attend at least two per year.

**Reference**

Great Britain. 1998. *Data Protection Act*. London: Stationery Office.

**Required Reports List**

In most cases you should include names as well as ID numbers in your output - although computers prefer numbers, people prefer names.

1. A list of all clients with their details.
2. A list of all gardens owned by clients, ordered by clients.
3. A list of all gardens owned by clients with special contracts and with the special rate the clients pay on a monthly basis. IDs should not be shown, but the clients’ names, the gardens’ addresses and the special rates need to be shown.
4. The task type that has been used most, and the jobs it has been used for.
5. The job that used the most trained member of staff. The job date, the staff name, and the number of training sessions ought to be shown.
6. The most lucrative client without a special contract and the money they have paid to the company.

Note: Please also refer to the marking scheme in relation to the queries.