

Samples of analysis reports

```
1. Create Banquet
2. List All Banquets
3. Update Banquets
4. List all attendees
5. Update attendee Registration information
6. List All registration
7. Generate reports
8. Exit
Enter your choice: 7
Generate report for
1. Registration status
2. Most popular meals
3. Attendance behavior
4. Most expensive banquets
```

Administrators are allowed to generate reports based on the data in the database, including the options below:

1. Registration status

This report displays the banquet ID, registered and maximum quota, and names of resulting banquets accordingly.

```
Enter your choice: 1
1. Registration status
Available Banquets:
--
BIN      REGISTERED    BANQUET NAME
1001     2/200        Annual Gala
1002     2/150        Charity Dinner
1004     2/250        Spring Festival
1005     2/100        Corporate Retreat
```

2. Most popular meals

This report displays the dish names and corresponding counts of the most popular meals, ordered by popularity.

```
Enter your choice: 2
2. Most popular meals:
--
COUNT    DISH NAME
2          Quinoa Salad
2          Pasta Primavera
2          Croissant
1          Steamed Dumplings
1          Grilled Salmon
1          Sweet and Sour Pork
```

3. Attendance behavior

This report displays the attendee count of each banquet ordered by banquet ID.

```
Enter your choice: 3
3. Attendance behavior:
--
BIN        ATTENDEE COUNT
1001       2
1002       2
1003       1
1004       2
1005       2
```

4. Most expensive banquets

This report displays the banquet ID, total cost, and name of each banquet, ordered by descending cost.

```
Enter your choice: 4
4. Most expensive banquets:
--
BIN        SUM OF PRICE    BANQUET NAME
1003       85            New Year Celebration
1004       75            Spring Festival
1001       60            Annual Gala
1002       55            Charity Dinner
1005       25            Corporate Retreat
1006       16            banned
```