

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
```