

ANSWERS ABOUT SQL AND DATABASES

1. Which movie is preferred by most of the family members?

```
SELECT PreferredMovie, COUNT(*) AS PreferenceCount FROM PreferredMovies  
GROUP BY PreferredMovie ORDER BY PreferenceCount DESC LIMIT 1;
```

2. Which movie type (TypeOfMovie) is the least preferred within the family.

```
SELECT TypeOfMovie, COUNT(*) AS TypeCount FROM PreferredMovies  
GROUP BY TypeOfMovie ORDER BY TypeCount ASC LIMIT 1;
```

3. Top 2 popular movie types by family members older than 10 years.

```
SELECT TypeOfMovie, COUNT(*) AS TypeCount FROM PreferredMovies INNER JOIN  
FamilyMembers ON PreferredMovies.userID = FamilyMembers.id  
WHERE DATE_ADD(FamilyMembers.DateOfBirth, INTERVAL 10 YEAR) < CURDATE()  
GROUP BY TypeOfMovie ORDER BY TypeCount DESC LIMIT 2;
```

4. Top 2 popular movie types by female family members.

```
SELECT TypeOfMovie, COUNT(*) AS TypeCount FROM PreferredMovies INNER JOIN  
FamilyMembers ON PreferredMovies.userID = FamilyMembers.id  
WHERE FamilyMembers.Gender = 'Female' GROUP BY TypeOfMovie ORDER BY  
TypeCount DESC LIMIT 2;
```

5. Family members with no preferred movies.

```
SELECT FamilyMembers.FirstName, FamilyMembers.LastName FROM FamilyMembers  
LEFT JOIN PreferredMovies ON FamilyMembers.id = PreferredMovies.userID  
WHERE PreferredMovies.userID IS NULL;
```