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Work Evaluation

-- Who are the organizers of the tours organized 2020-06-03?

```
SELECT Person.person_id, first_name, last_name FROM Person
JOIN TourPerson ON (TourPerson.person_id = Person.person_id)
JOIN Tour ON (Tour.tour_id = TourPerson.tour_id)
WHERE Person.role = 'organiser' AND Tour.date = '2020-06-03'
ORDER BY Person.first_name;
```

person_id	first_name	last_name
102ch	Jessica	Thomas

--What are all the tags that can be associated to a certain tour X?

```
SELECT DISTINCT (Tag.tag_id), Tag.description, Tour.name FROM Tag
JOIN SiteTag ON (Tag.tag_id = SiteTag.tag_id)
JOIN Site ON (SiteTag.site_id = Site.site_id)
JOIN TourSite ON (Site.site_id = TourSite.site_id)
JOIN Tour ON (TourSite.tour_id = Tour.tour_id)
WHERE Tour.tour_id = '11tr'
```

tag_id	description	name
101t	1952 Olympics	Olympic Helisnki
102t	1940	Olympic Helisnki
103t	functionalism	Olympic Helisnki
104t	old railway station	Olympic Helisnki
105t	old market	Olympic Helisnki

--List of tours on a certain day, and along each tour the list of tags for each tour.

```
SELECT Tour.name, Tag.description FROM Tag
JOIN SiteTag ON (Tag.tag_id = SiteTag.tag_id)
JOIN Site ON (SiteTag.site_id = Site.site_id)
JOIN TourSite ON (Site.site_id = TourSite.site_id)
JOIN Tour ON (TourSite.tour_id = Tour.tour_id)
WHERE Tour.date = '2020-06-20'
```

name	description
Old Helsinki	old temple
Old Helsinki	old temple

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Old Helsinki old center

Old Helsinki fashion district

Old Helsinki music art

--Full report of tour X attendees: organizer + enrollees with their names and agegroup

```
SELECT Person.last_name, Person.first_name, ageGroup, role FROM Person
JOIN TourPerson ON (TourPerson.person_id = Person.person_id)
JOIN Tour ON (Tour.tour_id = TourPerson.tour_id)
WHERE Tour.tour_id = '12tr';
```

last_name	first_name	ageGroup	role
Taylor	Mia	NULL	participant
Brown	Ava	18-50	participant
Wilson	Harry	18-50	participant
Levis	Jack	15-17	organiser
Evans	George	NULL	participant

--The itinerary for tour X, the way points = sites in order, and the tags for each site

```
SELECT Tour.name, Tag.description AS 'Tag', Site.name AS 'Site' FROM Tour
JOIN TourSite ON (TourSite.tour_id = Tour.tour_id)
JOIN Site ON (Site.site_id = TourSite.site_id)
JOIN SiteTag ON (SiteTag.site_id = Site.site_id)
JOIN Tag ON (Tag.tag_id = SiteTag.tag_id)
WHERE Tour.tour_id = '13tr'
```

name	Tag	Site
Urban Helsinki	modern art	Oodi
Urban Helsinki	central art	Kamppi
Urban Helsinki	western art	Helsingin yliopisto
Urban Helsinki	eastern art	Kallio
Urban Helsinki	nature and city	Aalto yliopisto

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-- What tags are not yet in use = not used by any site?

```
SELECT *  
FROM Tag  
WHERE NOT EXISTS (SELECT * FROM SiteTag WHERE Tag.tag_id = SiteTag.tag_id)
```

tag_id	description
107t	old crafts
116t	fantastic nature

--Which sites have lowest evaluations by the biggest agegroup?

```
SELECT TOP 1 COUNT(Person.person_id) AS 'Highest number of people', Site.name, SiteEvaluation.description, Person.ageGroup FROM Person  
JOIN SiteEvaluation ON (SiteEvaluation.person_id = Person.person_id)  
JOIN Site ON (SiteEvaluation.site_id = Site.site_id)  
AND description = 'Would never visit'  
WHERE ageGroup IS NOT NULL  
GROUP BY ageGroup, Site.name, SiteEvaluation.description  
ORDER BY 'Highest number of people' DESC
```

Highest number of people	name	description	ageGroup
1	Kallio	Would never visit	51-69

Listing available tours with their enrolment count and sites to be visited

```
SELECT COUNT(TourPerson.person_id) AS 'Number of people', Tour.name AS 'Tour name',  
(Site.name) AS 'Site name' FROM TourPerson  
JOIN Tour ON (TourPerson.tour_id = Tour.tour_id)  
JOIN TourSite ON (TourSite.tour_id = Tour.tour_id)  
JOIN Site ON (Site.site_id = TourSite.site_id)  
GROUP BY Tour.name, Site.name  
ORDER BY Tour.name
```

tag_id	description
107t	old crafts
116t	fantastic nature

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Making an enrolment for a tour

```
INSERT INTO Person
```

```
(person_id, first_name, last_name, email, phone, ageGroup, consentToStoreData, role, enrollment_date)
```

```
VALUES
```

```
('116ch', 'Curtis', 'Birdseed', 'curtisonair@gmail.com', '+358406180427', '15-17', 'Y', 'organiser', GET-DATE())
```

```
INSERT INTO TourPerson
```

```
(tour_id, person_id, partIsCancelled)
```

```
VALUES
```

```
('14tr', '116ch', 'N')
```

Cancelling a tour enrolment

```
UPDATE TourPerson
```

```
SET partIsCancelled = 'Y'
```

```
WHERE tour_id = '12tr' AND person_id = '104ch' --('tour_id, person_id' OR 'tour_id AND person_id')
```

Listing the waypoints (Sites) of a tour

```
SELECT name
```

```
FROM Site
```

```
JOIN TourSite ON (Site.site_id = TourSite.site_id)
```

```
WHERE TourSite.tour_id = '11tr'
```

name

Velodrome

Kumpula swimming pool

Laakso Riding Hall

Tennispalatsi

Olympiaterminaali

Listing the Sites and reading the details of each site, e.g. the tags related to the site.

```
SELECT Site.name, Tag.description
```

```
FROM Site
```

```
JOIN SiteTag ON (Site.site_id = SiteTag.site_id)
```

```
JOIN Tag ON (SiteTag.tag_id = Tag.tag_id)
```

```
WHERE Site.site_id = '001s'
```

name

description

Velodrome

1952 Olympics

Velodrome

1940

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Emailing all enrolled people in the case of a cancelled tour.

```
SELECT Person.email FROM Tour
JOIN TourPerson ON (Tour.tour_id = TourPerson.tour_id)
JOIN Person ON (TourPerson.person_id = Person.person_id)
WHERE Tour.isCancelled = 'Y'
```

--10. Even if customer is encouraged to select the age group, this is not obligatory. So, we might have --customers for whom the age group is not specified.

```
SELECT first_name, last_name, ageGroup FROM Person
WHERE agegroup is NULL
```

first_name	last_name	ageGroup
Mortimer	Johnson	NULL
Mia	Taylor	NULL
George	Evans	NULL

--11. For the organizer: Listing names (and possible age groups) for all customers of a tour.

```
SELECT first_name, ageGroup
FROM Person
JOIN TourPerson ON (Person.person_id = TourPerson.person_id)
JOIN Tour ON (Tour.tour_id = TourPerson.tour_id)
WHERE role = 'participant' AND Tour.tour_id = '13tr'
```

first_name	ageGroup
Kevin	51-69
Matti	51-69
Evelina	18-50
Harry	18-50
Ava	18-50