

1. tutti studenti nati nel 1990:

```
SELECT *  
FROM `students`  
WHERE `date_of_birth` BETWEEN '1990-01-01' AND '1990-12-31';
```

2. Corsi più di 10 cfu:

```
SELECT *  
FROM `courses`  
WHERE `cfu` > 10;
```

3. Studenti over 30:

```
SELECT *  
FROM `students`  
WHERE `date_of_birth` > '1992-01-11';  
(chi è nato ieri ha 30 anni e 1 giorno..)
```

4. Tutti corsi primo semestre primo anno:

```
SELECT *  
FROM `courses`  
WHERE `period` = 'I semestre' AND `year` = '1';
```

5. Tutti appelli dopo 14h del 20/06/2020:

```
SELECT *  
FROM `exams`  
WHERE `date` = '2020-06-20' AND `hour` > '14:00:00';
```

6. Tutte lauree magistrali:

```
SELECT *  
FROM `degrees`  
WHERE `level` = 'magistrale';
```

7. Quanti dipartimenti:

```
SELECT COUNT(*) as `n_dipartimenti`
```

```
FROM `departments`;
```

8. Insegnanti senza tel:

```
SELECT COUNT(*) as `n_prof_no_tel`  
FROM `teachers`  
WHERE `phone` IS NULL;
```

1. Iscritti per anno:

```
SELECT COUNT(*) AS `n_studenti`, YEAR(`enrolment_date`) AS `anno`  
FROM `students`  
GROUP BY `anno`;
```

n_studenti	anno
912	2018
1709	2019
1645	2020
734	2021













































































2. Insegnanti con ufficio ne stesso edificio:

```
SELECT COUNT(*) AS `prof`, `office_address` AS `edificio`  
  
FROM `teachers`  
  
GROUP BY `edificio`;
```

prof	edificio
1	Borgo Demis 1
8	Borgo Elga 89
4	Borgo Elio 234 Piano 4
1	Borgo Ippolito 5 Piano 5
3	Borgo Martino 82 Appartamento 07
5	Contrada Amato 58 Piano 2
4	Contrada Penelope 73
3	Contrada Rita 5 Appartamento 71
3	Contrada Santoro 17 Appartamento 30
3	Incrocio Marini 9
2	Incrocio Testa 142 Piano 7
1	Piazza Aroldo 8 Appartamento 85
3	Piazza Demian 856 Appartamento 63
3	Piazza Ferretti 619
2	Piazza Pellegrino 613 Piano 8
6	Rotonda Carmela 10 Piano 1
9	Rotonda Martinelli 309
2	Rotonda Teseo 9
3	Strada Concetta 6
5	Strada Kociss 997 Piano 8
1	Strada Lino 8
3	Strada Lombardi 855
3	Strada Neri 577
5	Strada Vitali 8 Piano 0
1	Via Elga 7 Piano 4

3. Media voti ogni appello:

```
SELECT AVG(`vote`) AS `media`, `exam_id` AS `appello`  
  
FROM `exam_student`  
  
GROUP BY `appello`;
```

				media	appello
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	16.8824	1
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	16.4615	2
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	20.3333	3
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	27.0000	4
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	17.5000	6
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	19.6000	7
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	6.5000	8
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	12.0000	9
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	17.4324	11
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	14.8889	12
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	22.0000	13
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	18.0526	16
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	19.0000	17
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	5.5000	18
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	22.0000	19
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	16.6176	21
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	15.0000	22
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	12.7500	23
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	12.0000	24
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	3.0000	25
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	19.1667	26
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	24.5000	27
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	16.9583	31
<input type="checkbox"/>	 Modifica	 Copia	 Elimina	17.2500	32
	 Modifica	 Copia	 Elimina	20.1818	36

4. Quante lauree per ogni dipartimento:

```
SELECT COUNT(*) AS `n_lauree`, `department_id` AS `dipartimento`  
  
FROM `degrees`  
  
GROUP BY `dipartimento`;
```

n_lauree	dipartimento
10	1
4	2
4	3
9	4
4	5
6	6
7	7
8	8
5	9
8	10
3	11
7	12