

Limit to 50000 rows

```
1 • create database Netflix;
2 • use Netflix;
3 • select * from startups;
4 -- 1 What is the average R&D, Admin, and Marketing spend?
5 • select avg(rnd) as total_rnd,
6       avg(admin) as total_admin,
7       avg(mkt) as total_mkt
8       from startups;
9
10
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

total_rnd	total_admin	total_mkt
73721.61559999999	121344.63959999995	211025.09780000005

Limit to 50000 rows

```
10
11 -- What is the highest and lowest profit?
12 • select max(profit) as max_profit,
13         min(profit) as min_profit
14         from startups;
15
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

max_profit	min_profit
192261.83	14681.4

Limit to 50000 rows

```
15
16 -- How many startups are there in each state?
17 • select state, count(*) as num_startups
18       from startups
19       group by state;
20
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

state	num_startups
New York	17
California	17
Florida	16

27

28 -- 5 Which startup spent the most on R&D and what was their profit?

29 • `select * from startups`

30 `order by rnd desc`

31 `limit 1;`

Result Grid				
Filter Rows: <input type="text"/>				
Export: Wrap Cell Content: Fetch rows:				
RND	ADMIN	MKT	STATE	PROFIT
165349.2	136897.8	471784.1	New York	192261.83

32

33

34 -- What is the average profit for startups spending more than 100k on marketing?

35 • `select avg(profit) as avg_profit`

36 `from startups`

37 `where mkt > 100000;`

Result Grid	
Filter Rows: <input type="text"/>	
Export: Wrap Cell Content:	
avg_profit	
122255.15449999999	

Questions_mysqlproject2	
SQL File / Practice_Sheet_SQL_5 SQL File 6 SQL File 7 SQL File 7	
Limit to 50000 rows	
21	
22 -- what is total profit by state.	
23 • <code>select state, sum(profit) as total_profit</code>	
24 <code>from startups</code>	
25 <code>group by state</code>	
26 <code>order by total_profit desc;</code>	
Result Grid	
Filter Rows: <input type="text"/>	
Export: Wrap Cell Content:	
state	total_profit
New York	1933859.59
Florida	1900384.39000000004
California	1766387.98

```

38
39 -- Is there any correlation between high R&D spending and high profit?
40 • select rnd, profit from startups
41 order by rnd desc;

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	rnd	profit		
▶	165349.2	192261.83		
	162597.7	191792.06		
	153441.51	191050.39		
	144372.41	182901.99		
	142107.34	166187.94		
	134615.46	156122.51		
	131876.9	156991.12		
	130298.13	155752.6		
	123334.88	149759.96		
	120542.52	152211.77		
	119943.24	132602.65		
	114523.61	129917.04		
	101913.08	146121.95		
	100671.96	144259.4		
	94657.16	125370.37		
	93863.75	141585.52		

```

42
43 -- List startups with above-average R&D and above-average profit.
44 • select * from startups
45 where rnd > (select avg(rnd) from startups)
46 and profit > (select avg(profit) from startups);
47

```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	RND	ADMIN	MKT	STATE	PROFIT
▶	165349.2	136897.8	471784.1	New York	192261.83
	162597.7	151377.59	443898.53	California	191792.06
	153441.51	101145.55	407934.54	Florida	191050.39
	144372.41	118671.85	383199.62	New York	182901.99
	142107.34	91391.77	366168.42	Florida	166187.94
	131876.9	99814.71	362861.36	New York	156991.12
	134615.46	147198.87	127716.82	California	156122.51
	130298.13	145530.06	323876.68	Florida	155752.6
	120542.52	148718.95	311613.29	New York	152211.77
	123334.88	108679.17	304981.62	California	149759.96
	101913.08	110594.11	229160.95	Florida	146121.95

```

47
48 -- What is the average profit per state?
49 • select state, avg(profit) as avg_profit
50 from startups
51 group by state;
52

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	state	avg_profit		
▶	New York	113756.44647058824		
	California	103905.17529411765		
	Florida	118774.02437500002		

