

# DSP 567 Homework 2

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## 1 PDF of SQL Queries

### 1.0.1

```
SELECT * FROM flights WHERE arr_delay >= 30;
```

### 1.0.2

```
SELECT carrier,flight FROM flights WHERE dest = 'ORD';
```

### 1.0.3

```
SELECT * FROM flights WHERE dep_delay < 0 AND arr_delay > 0;
```

### 1.0.4

```
SELECT carrier, flight, dep_time, sched_dep_time, arr_time, sched_arr_time,  
air_time, distance, origin, dest FROM flights WHERE origin = 'JFK' AND  
dest = 'ORD' AND month = 12 AND day = 24;
```

### 1.0.5

```
SELECT DISTINCT carrier FROM flights;
```

### 1.0.6

```
SELECT COUNT(DISTINCT dest) As Distinct_Dest FROM flights;
```

### 1.0.7

```
SELECT COUNT(DISTINCT dest) AS destination_count FROM flights WHERE  
carrier = 'AA' AND origin = 'JFK';
```

### 1.0.8

```
SELECT * FROM flights ORDER BY distance ASC LIMIT 1;
```

**1.0.9**

```
SELECT SUM(distance) AS total_distance FROM flights WHERE carrier =  
'UA' AND origin = 'EWR';
```

**1.0.10**

```
SELECT carrier, AVG(arr_delay) AS average_arrival_delay FROM flights GROUP  
BY carrier;
```