

Opgave 1

Untitled - 1 (ZBC-S-EMRE0236)												
EventClass	TextData	ApplicationName	NTUserName	LoginName	CPU	Reads	Writes	Duration	ClientProcessID	SPID	StartTime	
SQL:BatchStarting	SELECT * FROM Random WHERE Id = 4711;	Microsoft SQ...	zbc23emrb	EFIF\z...					11184	61	2023-08-2	
SQL:BatchCompleted	SELECT * FROM Random WHERE Id = 4711;	Microsoft SQ...	zbc23emrb	EFIF\z...	0	3	0	0	11184	61	2023-08-2	

CPU: 0 Reads: 3 Duration: 0

```
SELECT * FROM Random WHERE Id = 4711;
```

Opgave 2

SQL:BatchStarting	CREATE VIEW OccurencesView AS SELEC...	Microsoft SQ...	zbc23emrb	EFIF\z...					11184	61	2023-01	
SQL:BatchCompleted	CREATE VIEW OccurencesView AS SELEC...	Microsoft SQ...	zbc23emrb	EFIF\z...	0	163	11	17	11184	61	2023-01	

CPU: 0 Reads: 163 Duration: 17

```
CREATE VIEW OccurencesView AS
SELECT RandomNumber, COUNT(RandomNumber) AS Occurences
FROM Random
GROUP BY RandomNumber;
```

Opgave 3

SQL:BatchStarting	SELECT * FROM OccurencesView ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\z...					11184	61	2023-08-2	
SQL:BatchCompleted	SELECT * FROM OccurencesView ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\z...	155	2426	0	154	11184	61	2023-08-2	

CPU: 155 Reads: 2426 Duration: 154

```
SELECT * FROM OccurencesView
ORDER BY Occurences ASC;
```

Resultat: 3063 forekommer 63 gange

Opgave 4

SQL:BatchStarting	SELECT * FROM OccurencesView ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\z...					11184	61	2023-01	
SQL:BatchCompleted	SELECT * FROM OccurencesView ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\z...	233	2426	0	138	11184	61	2023-01	

CPU: 233 Reads: 2426 Duration: 138

```
SELECT * FROM OccurencesView
ORDER BY Occurences DESC;
```

Resultat: 6768 forekommer 137 gange

Opgave 5

EventClass	TextData	ApplicationName	NTUserName	LoginName	CPU	Reads	Writes	Duration	ClientProcessID	SPID	StartTime	
SQL:BatchStarting	SELECT RandomNumber FROM Occurences...	Microsoft SQ...	zbc23emrb	EFIF\z...					11184	61	2023-08-2	
SQL:BatchCompleted	SELECT RandomNumber FROM Occurences...	Microsoft SQ...	zbc23emrb	EFIF\z...	234	2430	0	90	11184	61	2023-08-2	

CPU: 234 Reads: 2430 Duration: 90

```
SELECT RandomNumber FROM OccurencesView WHERE Occurences = (SELECT MIN(Occurences) FROM
OccurencesView);
```

Resultat: 3063 er sjældnest

EventClass	TextData	ApplicationName	NTUserName	LoginName	CPU	Reads	Writes	Duration	ClientProcessID	SPID	StartTime
SQL:BatchStarting	SELECT RandomNumber FROM OccurencesV...	Microsoft SQ...	zbc23emrb	EFIF\Z...					11184	61	2023-08-2
SQL:BatchCompleted	SELECT RandomNumber FROM OccurencesV...	Microsoft SQ...	zbc23emrb	EFIF\Z...	200	2430	0	99	11184	61	2023-08-2

CPU: 200 Reads: 2430 Duration: 99

SELECT RandomNumber FROM OccurencesView WHERE Occurences = (SELECT MAX(Occurences) FROM OccurencesView);

Resultat: 6768 er hyppigst

Opgave 6

View create før:

SQL:BatchStarting	CREATE VIEW OccurencesView AS SELEC...	Microsoft SQ...	zbc23emrb	EFIF\Z...					11184	61	2023-08-2
SQL:BatchCompleted	CREATE VIEW OccurencesView AS SELEC...	Microsoft SQ...	zbc23emrb	EFIF\Z...	0	163	11	17	11184	61	2023-08-2

CPU: 0 Reads: 163 Duration: 17

View create efter:

SQL:BatchStarting	CREATE VIEW OccurencesView2 AS SELEC...	Microsoft SQ...	zbc23emrb	EFIF\Z...					11184	61	2023-08-2
SQL:BatchCompleted	CREATE VIEW OccurencesView2 AS SELEC...	Microsoft SQ...	zbc23emrb	EFIF\Z...	0	80	0	6	11184	61	2023-08-2

CPU: 0 Reads: 80 Duration: 6

Find sjældneste numre før:

SQL:BatchStarting	SELECT * FROM OccurencesView ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\Z...					11184	61	2023-08-2
SQL:BatchCompleted	SELECT * FROM OccurencesView ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\Z...	155	2426	0	154	11184	61	2023-08-2

CPU: 155 Reads: 2426 Duration: 154

Find sjældneste numre efter:

SQL:BatchStarting	SELECT * FROM OccurencesView2 ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\Z...					11184	61	2023-08-2
SQL:BatchCompleted	SELECT * FROM OccurencesView2 ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\Z...	16	38	0	68	11184	61	2023-08-2

CPU: 16 Reads: 38 Duration: 68

Find hyppigste numre før:

SQL:BatchStarting	SELECT * FROM OccurencesView ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\Z...					11184	61	2023-08-2
SQL:BatchCompleted	SELECT * FROM OccurencesView ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\Z...	233	2426	0	138	11184	61	2023-08-2

CPU: 233 Reads: 2426 Duration: 138

Find hyppigste numre efter:

SQL:BatchStarting	SELECT * FROM OccurencesView2 ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\Z...					11184	61	2023-08-2
SQL:BatchCompleted	SELECT * FROM OccurencesView2 ORDER ...	Microsoft SQ...	zbc23emrb	EFIF\Z...	15	357	0	94	11184	61	2023-08-2

CPU: 15 Reads: 357 Duration: 94