EmployeeSalary

SSN	Salary	FromDate	ToDate
123456789	30 000	01-01-1985	01-01-2005
123456789	30 000	01-01-2005	01-01-2079
333445555	40.000	01-01-1982	01-01-1985
333445555	45 000	01-01-1982	01-01-2079
453453453	25 000	01-01-1985	01-01-2079
666884444	38 000	01-01-1985	01-01-2079
888665555	55 000	01-01-1982	01-01-2005
888665555	33 000	01-01-1981	01-01-2079
987654321	43 000	01-01-1982	01-01-2079
987987987	25 000	01-01-1985	01-01-2079
999887777	25 000	01-01-1985	01-01-2079

O Find all times where a salary changed

select distinct E.FromDate from Employee union select distinct E.ToDate from Employee

		nts 1981
01	-01-	1982
01	-01-	1985
01	-01-	2005
01	-01-	2079

@ Build intervals during which all salaries remained the same

Select distinct start, stop
From Instant start, Instant stop
Where not exists (select *

Intervals	
Start	End
01-01-1981	01-01-1982
01 - 01 - 1982	01-01-1985
01-01-1985	01-01-2005
01-01-2005	01-01-2079

(3) For each interval, find the highest valid salvey

EmployeeSalary

SSN	Salary	FromDate	ToDate
123456789	30 000	01-01-1985	01-01-2005
123456789	30 000	01-01-2005	01-01-2079
333445555	40 000	01-01-1982	01-01-1985
333445555	45 000	01-01-1982	01-01-2079
453453453	25 000	01-01-1985	01-01-2079
666884444	38 000	01-01-1985	01-01-2079
888665555	55 000	01-01-1982	01-01-2005
888665555	33 000	01-01-1981	01-01-2079
987654321	43 000	01-01-1982	01-01-2079
987987987	25 000	01-01-1985	01-01-2079
999887777	25 000	01-01-1985	01-01-2079

01-01-1985 01-01-2005 01-01-2005 01-01-2079



select max(S.Salary), I.FromDate, I.ToDate group by I.FromDate, I.ToDate

Coalise the results





Max Salary History				
Start	End	MaxSalary		
01-01-1981	01-01-1982	33 000		
01-01-1982	01-01-2005	55 000		
01-01-2005	01-01-2079	45 000		

select distinct F.SalaryMax, F.FromDate, L.ToDate from TempMax F. TempMax L. where F.FromDate < L.ToDate and F.SalaryMax = L and not exists (select * from TempMax M

where M.SalaryMax = F.SalaryMax and F.ToDate < M.FromDate and M.Fro and not exists (select * (select *
from TempMax T1
where T1.SalaryMax = F.SalaryMax
and T1.FromDate < M.FromDate
and M.FromDate <= T1.ToDate)) (select * from TempMax T2 where T2.SalaryMax = F.SalaryMax and ((T2.FromDate <= F.FromDate <= T2.ToDate))

Mo Tz extends F or L or (T2.FromDate <= LToDate and L.ToDate < T2.ToDate)))

F ...

All M such that M start ∈] F. start, L. start]

must have its own start covered

(∃ To such that M. start ∈ [T, start, To. ad])