	CS143 HWS Integrity Constraints
l.	CHECK (weight > 0 AND weight c= 5)
Z. a)	CREATE TABLE Employee (
	ET d INT NOTNULL PRIMARY KEY, name (HAR (50), salary INT
);
	CREATE TABLE Leaving Time (
	erd INT NOT NULL, date DATE NOT NULL, FIME TIME,
	PRIMARY KEY (end, date),
	FOREIGN KEY (e7d) REFERENCES Employee(erd)
);
6)	INSERTINTO Leaving Time (143, 2015-04-01, 16:00)
()	The seand insertion is rejected. The 'date' altribute
	is a primary key and thus should be unique, Swiping
	twice in the same day would try to insert two of
	the same date, violating this constraint.
0()	DELETE FROM Leaving Time
	WHERE EXISTS (SELECT *
	FROM Leaving Time L
	WHERE Leaving Time, end = L, end AND
	Leaving Time, date = Lidate AND
	Leaving Time. time > Litime);
3-45-5-5-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	
1.5	

Disk and Files

	The wind (ite)	
1.	Access Time = (seek time) + (rotational delay) + (transfer time)	
	Seek time - loms	
	Rotational Delay: Transfer Time:	
	60 sec 6000 RPM 6000 RPM 500 sector strack	
	(sec 100 RPS 500 mbs = 0.02ms	
	$\frac{1}{100} = 10 \text{ m/s}$	
	Full rotation: 10 ms, AVG = 5ms	
	10 ms + 5 ms + 0.02 ms = [15.02 ms]	
2.	2 . 4 . 4 . 4 . 4 . 4 . 30 + 20 = 72 bytes per tople	
	1024 black 1024 bytes tuple 14 tuples	
	1024 block 1024 bytes tuple 14 tuples 72 bytes block 72 bytes block	
	table 1000 types black 72 blacks	
	table 1000 taptes black 72 blacks 14 taples table 14 taples table	
	[Need 72 blades]	
3.	Access Time = (seek time) + (rotational delay) + (transfer time)	
Seemed Toler	seek time=10ms Rotational Delay (ang) = 5ms	g
	Transfer time = 0.02ms for one sector	
	= 0.02 ms x 72 for 72 sectors (blocks)	
	= 1.44 pms	
	10ms + 5ms + 1.44ms = [16.44ms]	
Ц,	24 (seek time + votational delay + transfertime)	
	transfer time = 0.02ms for one sector	
	= 0.02ms x3 fer 3 sectors(blocks)	
	=0.06 ms	
	24(10 ms + 5 ms + 0.06 ms) = [361.44 ms]	