1. Given $F = \{a \rightarrow b, b \rightarrow c c \rightarrow \{de\}\}$. What is the closure of b

$$a \rightarrow b$$
 $b \rightarrow c$
 $c \rightarrow d$
 $c \rightarrow e$
 B^{+}
 B, C, D, E

2. Given R(a,b,c,d,e,f). Given the following functional dependency:
 F = { ab→ cdef, c→ abdef}.
 Identify the L M R, candidate keys, prime/non prime and normal form using the table below

L	M	R	Candidate Keys	prime	Non prime	Normal Form
	C	D	۷.	C	D	BCNF
1.	A	E	IAB .	A	E	
Q.	В	F		B	E	

3. Given R(a,b,c,d,e,f). Given the following functional dependency:

$$F = \{ ab \rightarrow cdef \}$$

$$e \rightarrow a$$
}.

Identify the L M R, candidate keys, prime/non prime and normal form using the table below

L	M	R	Candidate Keys	prime	Non prime	Normal Form
	A	D	c	A	D	
	В	F	AB	В	۶	314
	c		EB	ر د		
	E			E		a sia sancioni

4. Given R(a,b,c,d,e,f,g). Given the following functional dependency:

 $F = \{ ab \rightarrow \{ cdeg, \} \}$

$$c \rightarrow abdef,$$

Identify the L M R, candidate keys, prime/non prime and normal form using the table below

ab > c	
	x x x
xab >d	_
xab > e	ABCD
√a6 → 3	7
40.2	₽ B
c -> a	au
x c -> >	RD
c -> d	
c > 9	
د -> ۴	
4 3 6	

L	M	R	Candidate Keys	prime	Non prime	Normal Form
	Α	E	C	A	E	_
	В	F	AB	B	F	3 ca
	c	G	AD	C	G	
	D			Q		