Relational Algebra

- Schemas:
  - $Product(\#prod, pname, price)$
  - $Depot(\#dep, addr, volume)$
  - $Stock(\#prod, \#dep, quantity)$
- Instances:

  Product

#prod	pname	price
p1	tape	2.5
p2	tv	250
p3	vcr	80

  Depot

#dep	addr	volume
d1	New York	9000
d2	Syracuse	6000
d4	New York	2000

  Stock

#prod	#dep	quantity
p1	d1	1000
p1	d2	-100
p1	d4	1200
p3	d1	3000
p3	d4	2000
p2	d4	1500
p2	d1	-400
p2	d2	2000

- 1. Name and price of the products.
  2. Name of the products of the d2 depot
  3. Numbers of the depots that have products out of stock.
  4. Numbers and addresses of the depots that have products out of stock.
  5. Addresses of depots that stock all the products.
  6. Numbers and addresses of depots that stock all the products.