

Consider the **Publishing** and **Section** Relations below.

Publishing

FName	LName	Salary	RNo	Age	SNo
Joan	Nabulya	100000	E004	44	1
Abdul	Kanyike	200000	E002	29	4
Samuel	Laloyo	200000	E003	35	2
Lizette	Nagudi	400000	E005	32	5
Dean	Walulya	450000	E006	30	4

Section

Dep	SNo
Accounts	1
HR	2
Production	3
Marketing	4

Outline the relational algebra expressions that satisfy the conditions below.

(NB: Make use of ONLY RELATIONAL ALGEBRA operations)

- Show employees whose SNO is 4 and earning a salary less than 300000.
- Retrieve the *last three attributes and tuples* from the employee relation.
- Project Names and SNo for employee who belong to the SNo of 4.
- Retrieve the names of employees earning a salary of at least 350000.

- v. Retrieve the Fname and salary of employees whose salary is in the range of 200000 and 300000. (NB the starting and ending values should be excluded).
- vi. Formulate and write relational algebra expressions that will satisfy a Natural Join and draw a resultant relation of the natural join.
- vii. Write a relational algebra expression and draw a resultant relation that satisfies the following
 - a) Right outer join operation
 - b) Left Outer Join.