

```
SELECT Tb_B.Name, Tb_A. DepartmentName
WHERE Tb_A.DepartmentID==Tb_B.Department_ID
```

Hash Table: <DepartmentID, void>

<6, void>

....

2. Build a hash table

1. Build a Bloom Filter

In-storage Bloom Filter

4. Find matches in the hash table

3. Filters using the Bloom Filter

DepartmentID	DepartmentName
6	EECS
15	Sloan
2	ME

Table A: Department\_Table

Name	DepartmentID
Arvind	6
Bob	15
Chen	-1
Daniel	6

Table B: Faculty\_Table