



# EMPLOYEE MANAGEMENT APP

## **NORMALISATION**

- IT IS THE PROCESS OF ORGRANISING THE ATTRUBUTES AND TABLES OF A DATABASE TO MINIMIZE REDUNDANCY AND DEPENDENCY.
- MAIN GOAL IS TO STRUCTURE THE DATABASE AND MAKE IT FLEXIBLE,SCALABLE AND FREE FROM ANY ANOMALY.

# 1NF

- EMPLOYEE

(EID,NAME,AGE,SALARY,BASIC,HRA,TA,DA,PF,DESIGNATION,  
DEPARTMENT,HOD)

EID	NAME	AGE	SALARY	BASIC	HRA	TA	DA	PF	DESIGNATION	DEPARTMENT	HOD
E01	John Doe	30	85000	50000	5000	2000	3000	5000	Developer	IT	Sarah Smith
E02	Jane Smith	35	85000	50000	5000	2000	3000	5000	Developer	IT	Sarah Smith
E03	Mike Ross	28	95000	60000	6000	2500	3600	6000	Manager	HR	Tom Johnson
E04	Lisa Chen	32	85000	50000	5000	2000	3000	5000	Analyst	IT	Sarah Smith
E05	Bob Wilson	40	95000	60000	6000	2500	3600	6000	Manager	Finance	Peter Brown

## 2NF

EID	NAME	AGE	DESIGNATION	DEPARTMENT
E01	John Doe	30	Developer	IT
E02	Jane Smith	35	Developer	IT
E03	Mike Ross	28	Manager	HR
E04	Lisa Chen	32	Analyst	IT
E05	Bob Wilson	40	Manager	Finance

EID	SALARY	BASIC	HRA	TA	DA	PF
E01	85000	50000	5000	2000	3000	5000
E02	85000	50000	5000	2000	3000	5000
E03	95000	60000	6000	2500	3600	6000
E04	85000	50000	5000	2000	3000	5000
E05	95000	60000	6000	2500	3600	6000

DEPARTMENT	HOD
IT	Sarah Smith
HR	Tom Johnson
Finance	Peter Brown

## 3NF

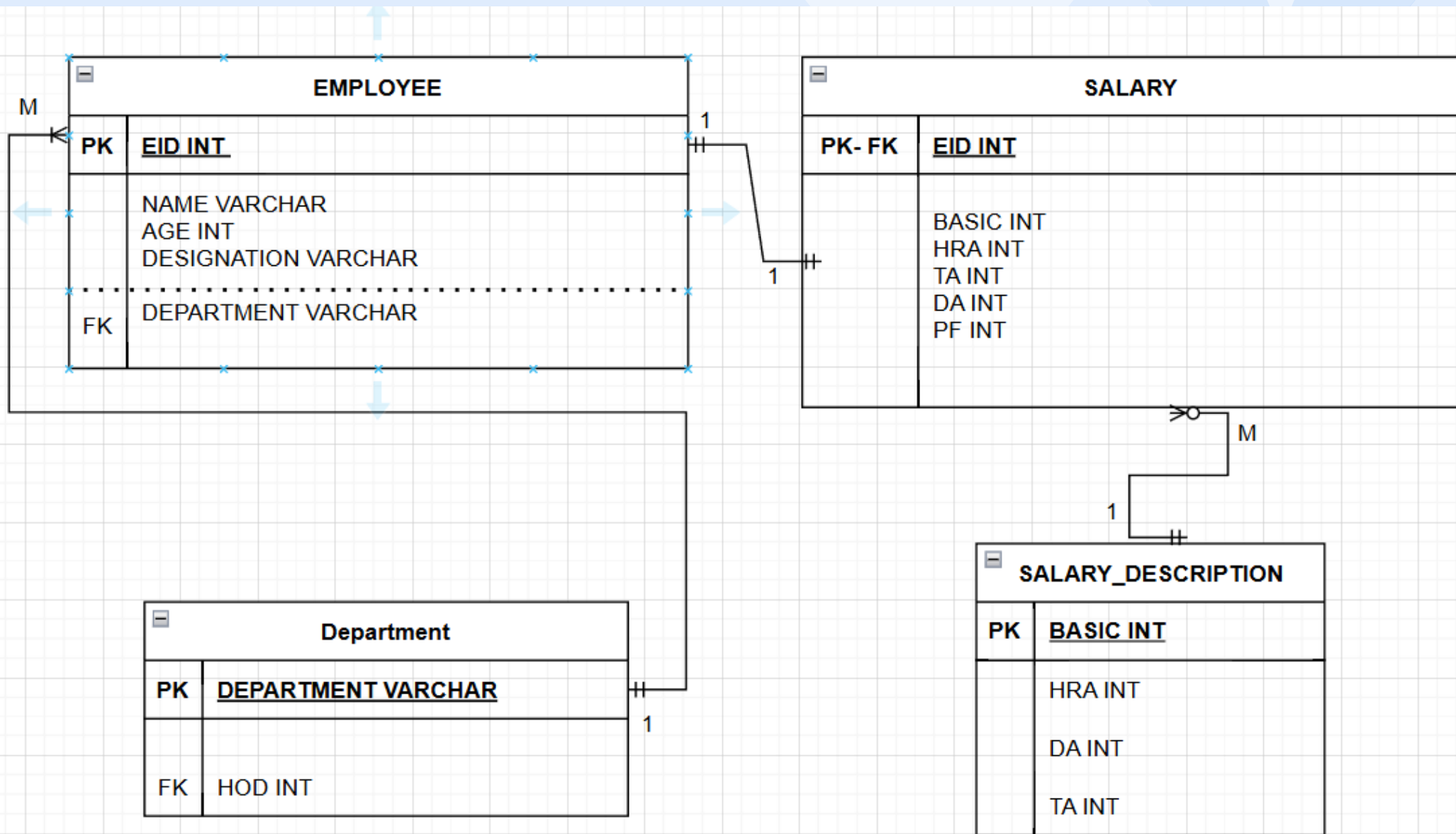
EID	NAME	AGE	DESIGNATION	DEPARTMENT
E01	John Doe	30	Developer	IT
E02	Jane Smith	35	Developer	IT
E03	Mike Ross	28	Manager	HR
E04	Lisa Chen	32	Analyst	IT
E05	Bob Wilson	40	Manager	Finance

EID	SALARY	BASIC	TA
E01	85000	50000	2000
E02	85000	50000	2000
E03	95000	60000	2500
E04	85000	50000	2000
E05	95000	60000	2500

DEPARTMENT	HOD
IT	Sarah Smith
HR	Tom Johnson
Finance	Peter Brown

BASIC	HRA	DA	PF
50000	5000	3000	5000
60000	6000	3600	6000

# ER DIAGRAM





# THANK YOU

YASH SACHDEVA

WCS144