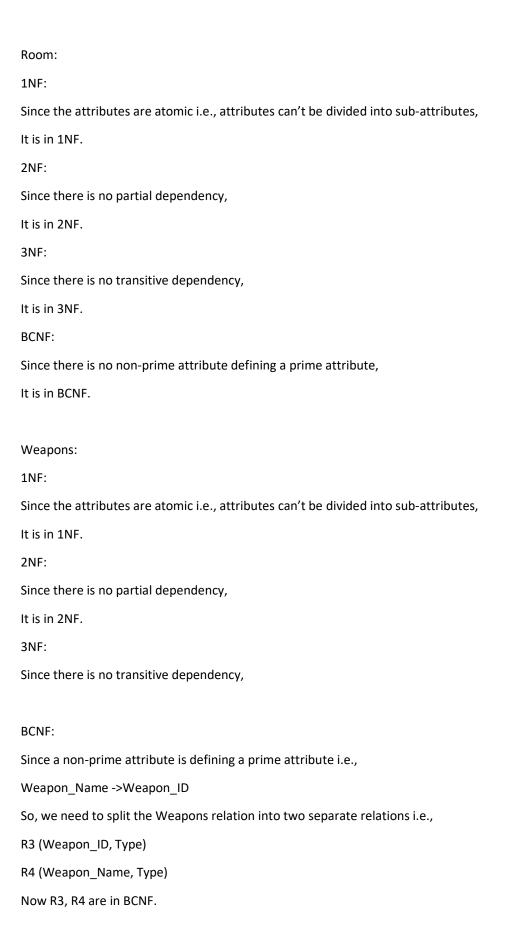
Relation	Functional Dependencies
	Height, Weight -> BMI
Soldier(2nf)	Service_Number ->Quarter_Name,Room_No.,
	Cmdr_S.No,First_Name, Last_Name, Height, Weight, BMI, Age
Commander(bcnf)	Cmdr_S.No->Cmdr_Rank
Quarters(bcnf)	Quarters_Name -> Noof_Soldiers, Max_Capacity
Room(bcnf)	-
Weapons/2nf\	Weapon_Name ->Weapon_ID, Type
Weapons(3nf)	Weapon_ID ->Weapon_Name, Type
Armory(bcnf)	-
Stores(bcnf)	-
Assigns(bcnf)	-

Normalisation:
Soldier:
1NF:
Since the attributes are atomic i.e., attributes can't be divided into sub-attributes,
It is in 1NF.
2NF:
Since there is no partial dependency,
It is in 2NF.
3NF:
Since there is a transitive dependency i.e.,
Service_Number -> Height, Weight
Height, Weight -> BMI
So, we need to split the Soldier relation into two separate relations i.e.,
R1 (Service_Number, Quarter_Name, Room_No., Cmdr_S.No, First_Name, Last_Name, Height, Weight, Age)
R2 (Height, Weight, BMI)
BCNF:

Since there is no non-prime attribute defining a prime attribute,

R1, R2 are in BCNF.

Commander:
1NF:
Since the attributes are atomic i.e., attributes can't be divided into sub-attributes,
It is in 1NF.
2NF:
Since there is no partial dependency,
It is in 2NF.
3NF:
Since there is no transitive dependency,
It is in 3NF.
BCNF:
Since there is no non-prime attribute defining a prime attribute,
It is in BCNF.
Quarters:
1NF:
Since the attributes are atomic i.e., attributes can't be divided into sub-attributes,
It is in 1NF.
2NF:
Since there is no partial dependency,
It is in 2NF.
3NF:
Since there is no transitive dependency,
It is in 3NF.
BCNF:
Since there is no non-prime attribute defining a prime attribute,
It is in BCNF.



Armory:
1NF:
Since the attributes are atomic i.e., attributes can't be divided into sub-attributes,
It is in 1NF.
2NF:
Since there is no partial dependency,
It is in 2NF.
3NF:
Since there is no transitive dependency,
It is in 3NF.
BCNF:
Since there is no non-prime attribute defining a prime attribute,
It is in BCNF.
Stores:
1NF:
Since the attributes are atomic i.e., attributes can't be divided into sub-attributes,
It is in 1NF.
2NF:
Since there is no partial dependency,
It is in 2NF.
3NF:
Since there is no transitive dependency,
It is in 3NF.
BCNF:
Since there is no non-prime attribute defining a prime attribute,
It is in BCNF.

Assigns:
1NF:
Since the attributes are atomic i.e., attributes can't be divided into sub-attributes,
It is in 1NF.
2NF:
Since there is no partial dependency,
It is in 2NF.
3NF:
Since there is no transitive dependency,
It is in 3NF.
BCNF:
Since there is no non-prime attribute defining a prime attribute,
It is in BCNF.