

3.04

Minimal Functional Dependency set:

CompanyId → CompanyName

ProfileId → ProfileName

{CompanyId,ProfileId} → {MinCPI,CTC}

RoundId → {RoundName, RoundType, PlateformName}

{Round_Id,CompanyId,profileId}→noofround

StudentId → {StudentName, EmailId, ContactNo, CPI, ProgName, Year}

ProjectId → {ProjectName, SubjectName, GuidedBy, TeamSize}

{StudentId,ProjectId} → AcadYear

{CompanyId,ProfileId,ProgName,Batch} → {NoOfOffers,CTC}

{CompanyId,ProfileId,QuestionId} → NoofTimeAsked

QuestionId → {QuestionName , Flag , Subjectname}

Functional Dependency:

1)Company

CompanyId → CompanyName

PrimaryKey: CompanyId

NormalForm: BCNF

2)CompanyLocation

No functional dependency

PrimaryKey: None

NormalForm: BCNF

3)JobProfile

ProfileId \rightarrow ProfileName

PrimaryKey: ProfileId

NormalForm: BCNF

4)Offer

{CompanyId,ProfileId} \rightarrow MinCPI

{CompanyId,ProfileId} \rightarrow CTC

PrimaryKey: {CompanyId,ProfileId}

NormalForm: BCNF

5)InterviewProcessOf

{Round_Id,CompanyId,profileId} \rightarrow noofround

PrimaryKey: {Round_Id,CompanyId,profileId}

NormalForm: BCNF

6)InterviewProcess

RoundId \rightarrow RoundName

RoundId \rightarrow RoundType

RoundId \rightarrow PlateformName

PrimaryKey: RoundId

NormalForm: BCNF

7)Student

StudentID \rightarrow StudentName

StudentID \rightarrow EmailId

StudentID \rightarrow ContactNo

StudentID \rightarrow CPI

StudentID \rightarrow ProgName

StudentID \rightarrow Year

PrimaryKey: StudentID

NormalForm: BCNF

8)Project

ProjectID \rightarrow ProjectName

ProjectID \rightarrow SubjectName

ProjectID \rightarrow GuidedBy

ProjectID \rightarrow TeamSize

PrimaryKey: ProjectID

NormalForm: BCNF

9)ProjectDetails

{StudentID,ProjectID} \rightarrow AcadYear

PrimaryKey: {StudentID,ProjectID}

NormalForm: BCNF

10)Skill

No Functional Dependency

PrimaryKey: None

NormalForm: BCNF

11) PastRecruitment

$\{CompanyId, ProfileId, ProgName, Batch\} \rightarrow NoOfOffers$

PrimaryKey: $\{CompanyId, ProfileId, ProgName, Batch\}$

NormalForm: BCNF

12) HasAsked

$\{CompanyId, ProfileId, QuestionId\} \rightarrow NoofTimeAsked$

PrimaryKey: $\{CompanyId, ProfileId, QuestionId\}$

NormalForm: BCNF

13) Question

$QuestionId \rightarrow QuestionName$

$QuestionId \rightarrow Flag$

PrimaryKey: QuestionId

NormalForm: BCNF

14) OnlinePlatform

$\{QuestionId, PlatformName\} \rightarrow URL$

PrimaryKey: $\{QuestionId, PlatformName\}$

NormalForm: BCNF

15) SubjectiveQuestion

$QuestionId \rightarrow SubjectName$

PrimaryKey: QuestionId

NormalForm: BCNF

16) ProgrammingQuestion

No Functional Dependency

PrimaryKey: None

NormalForm: BCNF