Ahsaz Habib

22201627

CSE-370-Section-00

31-December -2024

Assignment -03

Submitted to,

NNL, maram

(Answer to the Question -01)

- i) As we can su from the Question there is no composite, non multivalued an rusted relation. Ship. See the relation is in 2 MF.
- ii) We can see from the relation that,

 FD1, FD2, FD3 does not follow 2 NF, because

 they attributes are not dependent on the

 Entire primary attributes. So Wis make it

 2 MF:-

Engn-info (Enginuer_Id, Enginer-num, total_nupains, commission-penuntuge, enginer-phone)

prob_indo (<u>lomp_ID</u>, <u>Data = asigm 1</u>, issue, priority_ lewl, serviu_ otange)

cust_indo (customen-name, customen-id, customen
prone)

Computer - repuir (comp-id, Engineer-11), douter assigned

Date - repaired)



iii) FD4. mA FD5 are not in 3NF as there is transitive dependencies.

Ergn_inso(Erginun_id, Erginun_nom, total_Repains,
erginun_phene)

Engn-achiem (tatal_nepuine, commission_pencentage)

prob-indo (comp-id, Lete-assigned, issue, prionity-lew)

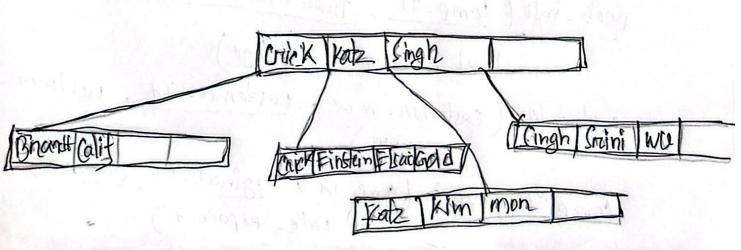
priority [priority_level, Serviu_charge)

Composion - repain (Comp_id, Engineen - i'd)

Life - assigned, duk - repained)

Cust-info (Customen-id, Customen-neme, enstonne phone)

Answer to the Question 02) branivalen Koot 2 Brandth Crick Brail Cri [Kotz] Kim Snini Ket 2 Kat Z Saini wu kim Katz | Kim | Singh | snini wu Kotz Singh Singh (nin) callifien enick Elsaid Bran Califieni Cnick Einstein El said Crick Kotz singh



Brandt

Chick

(Answer-toth Soution -03)

As we can see Iron the Question, we are using integer 7, to mod on a task suretion, so there will be 7 buckets. Stanting Iron 0. to 61 with 2 in dexes.

5ncket 6 → x7 = 6

76766 32343