Page No. Date Assignment 4
Name: Shihab Muhtasim
10: 21301610 Title:

300D LUCK

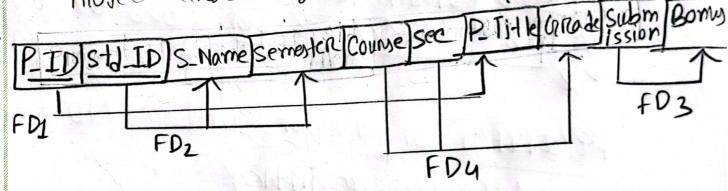
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## Ans to or 1

i) The given rulation is in 1NF because it has no composite attributes, multivalued attributes or nested rulations.

ii) Girer,

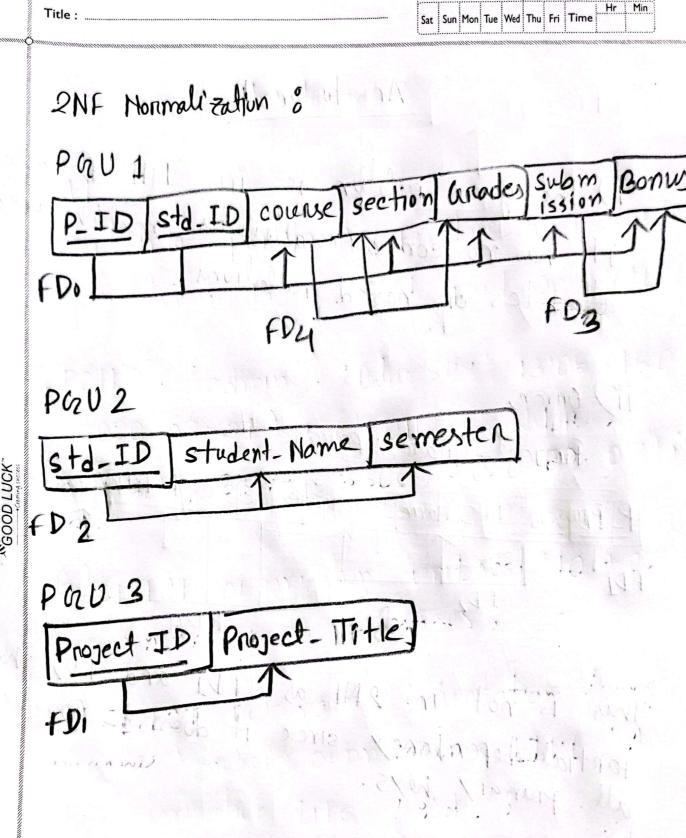
Priozect-Cinade upgrade



This is not in 2NF as FD1 and FD2 has partial dependency since it doesn't involve all primary bays.

GOOD LUCK

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iii) It is not in 3NF because of FD3, FD4, Here, FD3 & P\_ID, Std\_ID -> Submission Bonus FD4: P\_ID, st\_d\_ID -> course course -> section, grades 3NF2 box (811091) ( [12-80-0203 Std-ID course submission PUU 2 course section anades paus Project\_ID | Proj. Title, PNU 3 Bonus sub mission Pav 4 std-ID/std-Name semestery

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## Ans to or 2

A)
Invert into Billing (Punchase - id, role\_rame, organization, unitcost, count, paid - on ) VALUES ('POII7', 'admin', 'Blue Suy', 13.05, 150, '2020-08-21'), ('POII8', 'auditori', 'Alphabet', 33.77, 3300, 2020-09-07');

(Alphabet', 33.77, 3300, 2020-09-07');

- B) SELECT organization, unit cost \$10 + count as amount from Bitling;
- c) SELECT role-name, organization from Billing where organization LIKE "A%" or organization Like "%d";

  or organization Like "%d";

  d) SELECT purchase id, rok-name from Billing.

  where unit-cost > 30 and paid-on> 2020-06-30;

GOOD LUCK

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03)

Organization	count
Host broton	1
Namecheap	3

