## DIMA DANA-TEODORA 141

## EXAMEN BD - 19.06. 2020

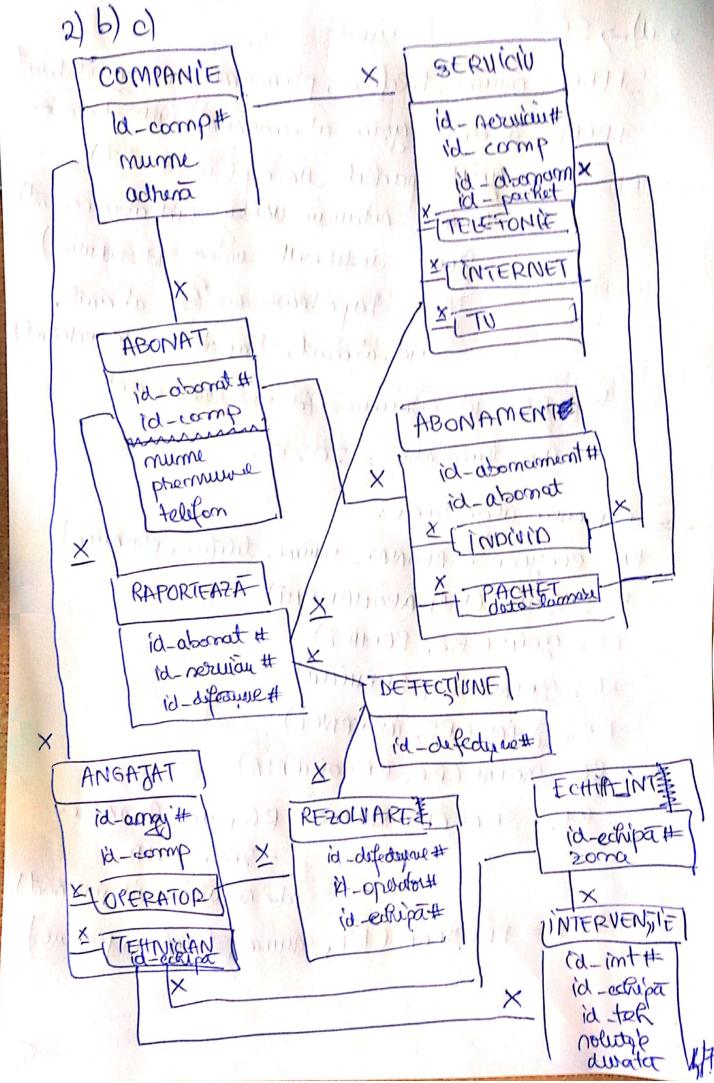
NR:12 Entitaty: compouie, setulian, abonat, traposteata) 2) a) abonnament, defetaine, augujat, repolvare, echipaient, interventje reléférie, internet, TV Subentitaty. sperator, es Rouiciam P# mume-profesor cod- photener # suma student cod - student#cod-cution # = titlu-cution an-universitar somest ky 2i\_naptamana / Ma inapere P# \_> mume \_profesor

1/7

Wederoup dyinde -applemane to Central deprinde de professe, des m' Studentus oupinde de nato, ora-imapelle, Durata depirede de, nueme-nier

Forma mormala 3 Frecare athibut care mu e cheile primara deprinde de cheia primara, of numou de cheia phimara si de micium att athibeit

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2d) -> SQL: SELECT nume, telefon, phenume, using (id-bonat) FROM abomat your abomament (tel-abound your packet using (id-packet) your setuion usong (id-abornament) Join internett worng (id-serviou) your haporteaga on ( ad about. · id-alamat = hapesteata. id-internat) WHERE id-Adruicin - 12-interaint and 0m-lamoure = 2020 j exprenia algebrica: RI = PROJECT ( ABONAT, nume, teleform, ptromume) RZ = yoin (R) ABONAMENT) RS = goin (RZ, PACHET) R4 = yoin (123, SERVICIO) R5= JOIN CRS, INTERNET) R6= 30 in (R6, RAPORTEATA) RT = SELECT ( RECTET R6, am-lamane-16 10 WA 0 5020 AND id - verniair - id-internet) REZ = PROJECT (R7, nume, telefon, prenue)

5.4

nue prime, tilefon · horio AROUNT id about ABONAT id-alsofand an laward 2020/id mobile /id-ner way RAPORTEAZA INTERNET SERVIAL PACHET ABONAMENT

De ce este optima resolvere? Decareu sunt indeplimite 3 d'entre cell 4 treguli de optimisare: 1) selectifile se executa cat mai devreme peribil 2) produrabile oarteriene se in locuierc ou joinwri ori de cate ori este positoil 3) Procedule se executar la maput pt a indeparta attributelo mefolositoare Scanned with CamScanner