## Assignment -2

6000 4200 107

Q1. Dealte program for RDD to find cube of number and display greater than 20.

from papart Proport Spanklortext, Spanklort conf = Spanklonf(). set AppNare ("lube RDD").

SetMaster ("local")

SC = Spark(briex+ (conf=conf)

numbers = Sc. parralle 1/2e ([1,2,3,4,5,6,7,8,9,10])

cubes = numbers. map (lambda x: x\*\* 3)

greater than 10 = cubes filter (lambda 1: x>10)

print (greatertalb. collect())

- Q2. Induling use cases or NOSAL
  - 1) E-commerce: woldery weed perawse of large volumes of unsteun chered data, usen profiles, transaction nistory, product catalogues.
  - 2) Social media to store were genericized round, proceeded pooks, comments, likes, real time analytis.
  - 3) yarning: onling garning to hardle massive dates amasts, game logs, and real time garneplay data

- 4. Hearthcare: Store parlent tata, medical records, dagnosik test results, and medical Prages.
- 5. Internot of things: Handle large dover geneved by connected devices, sensor dara, device stores.
- Q3. Industry use cases of spacke karka & spacke from
  - 1. Florancial services: now thre processing of thandal data, go stock proces, trading volumes, transaction anti- analytee trends.
  - o. Telecommunication: handle large dater by mobile douts, call necords, text messages, coration dater, analyze network maps
  - 3. Reteil: real time pulledsig of customer data, purchase history, processed behavior, recommoditions. Analyse customer behaviour.
  - 4. Health case: real the processing of parrell data, medical records, moducal Prages. Analyses parell dates in real the
  - 5. Manufactury: 180 For real time monitoring of equipment periform are and presente munitarione.