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Ans. to. the. Q. no. 1

- a) Yes. This activity is a data mining task. It talls under the contegory of earchestering.
- b) Yes. This activity is a data mining task, It falls under the category of classification
- c) Yes. This activity is a data mining task. It falls under prediction tast.
- d) No. This out activity is not a data mining task. De Monitarina the heart made of a paident for abnormalities is a real-time prediction on detection task. Usually Drather mining work involves with large datasets to Find out pattern. So, This activity is not a data mining task.

Ans: to the Qino. 2

a) Loan detault prediction:

Goal: The goal of loon prediction is to identify potential customers who are likely to detault on their loan parment.

App reach.

- D Analyze the historical loan data
- 2) Apply various classification algorithm on boar data
- 3) Buil Build a model based on machine leonning.
- 4) Consider the attributes of data: credit history, knoome, employment status, loan amount.
- 5) Preprocess the data with Feature selection
- 6) Train the model with qualityful down and balanced data.
- b) Credit cond Frank detection:

Goal: The goal of credit cand Fraud detection is to identify and prevent fraudlent trunsaction and protect both candholders and Francial institutions.

Anostorthe Queno. D

The tra Three data quality problem can be:

- Pd D Noise
 - 2) Duplicate datu
 - 3) Missing values

Noise: For objects hoise is an extraneous object. Noise refers
to mudification of original values. It can misleading the data
mining took to tusk. and train with noise a decrese the
accuracy of the model. It also checkented the naise
the problem of overlitting, complexity, in accurate decision
making.

Duplicate data: A later set include data objects that one duplicates on almost duplicates, of one another. To detect and eliminate such duplicates, two main issues one addressed.

Similar data should be availed and do Deluplication can help with this pricess.

Missing values: Missing values also Adechose the model pentopmance. To hardle this we can diminate data object on estimate the missing values.

Ansitothe. Qino. 4

Temperature can be considered as either an enterval or ratio , depending on the scale being used.

In Celcius (c°) on Furtherheit (of) temperature is measured on an interval scale.

On the other hand, in kelvin (K) scale, temperature is measured on a notio scale.

the distiction between interval and notions scales lies in the presence on absence of a true zero point. In anytheral presence on absence of a true zero point. In anytheral since scale, reations between values are not meaningful since zero does not indicate the obsence of the measured zero does not indicate the obsence of the measured attributes. In a notion scale, notion have meaningful attributes. In a notion scale, notion have meaningful attributes.

That only, wells in scale, temperature can be used in that on the other hand, to in or celcious on tuhnchest scales, temperature can be used as than interval.