M. Practical S
Title: KNH Classification
is what are the applications of K-MM?
Ans. 1. Classification and Interpretation: legal, medical, news, banking.
e. Broblem solving: Planning, pronounciation.
3. Function leavining: Dynamic Lontrol.
4. Tracking and Aiding Help Desk, User training
5. Used to get missing values and in pattern recognition.
to the second of
a) what is skleam. neighbors and its functions?
Ans 1. sklean. neighbours provides functionality for unsupervised
and supervised neighbors based learning methods.
2. The principle behind nearest neighbor method is to find a
predefined number of bairing samples chosest in distance
to the new point and predict the label from these.
3. The number of samples can be a user defined constant or
vary based on local density of paints.
4. Heighbard based methods are known as non-generalizing
machine learning methods since they simply memember
au of its braining data.
g. Functions of akleann. neighbors:
(i) fit (x,y): Fit the mothered model using x as training data
and Y as test data.
(ii) get params: get parameters for the extimator.
(iii) kneighbors (x, n-neighbors = None, retwon-distance = True):
finds the K-neighbors of a point. Retruins distance.
(IV) predict (X): predicts class labels.
(v) sione (x,y): returns mean-accuracy
(vi) set-params (** params): set parametous of the estimates.

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