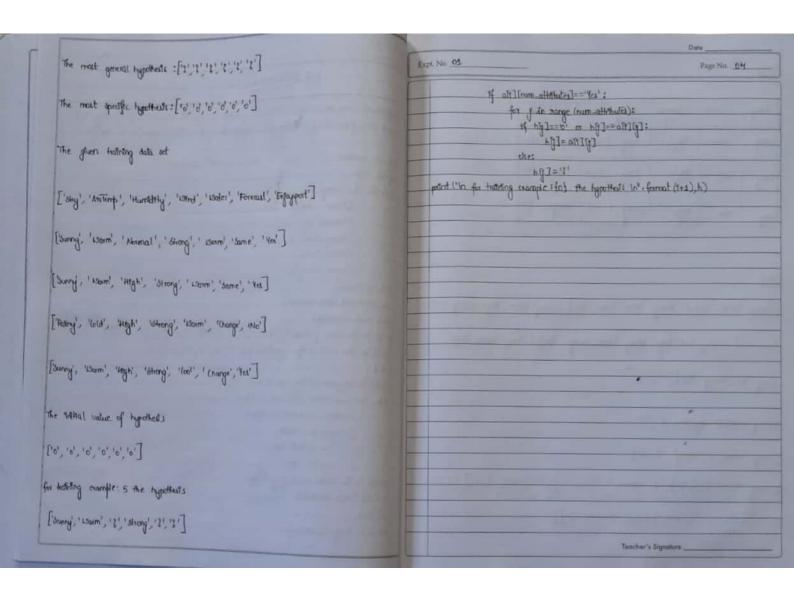
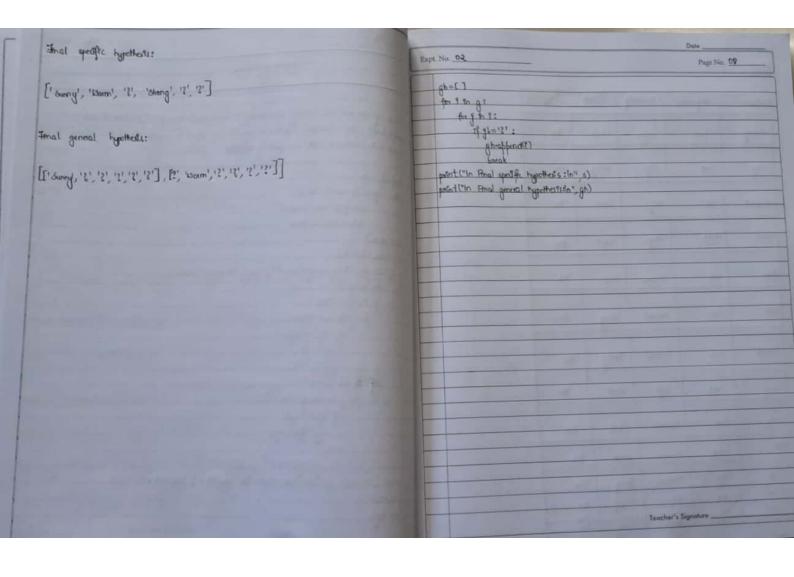
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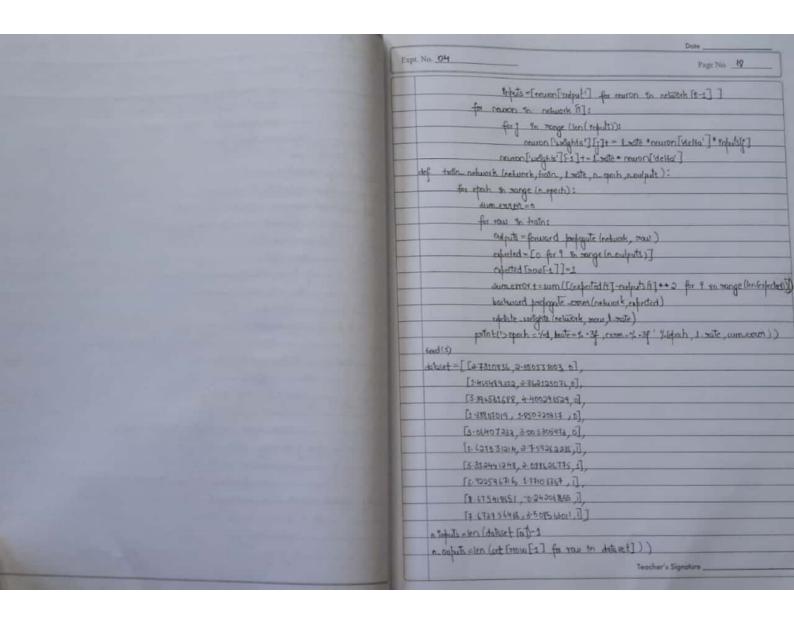


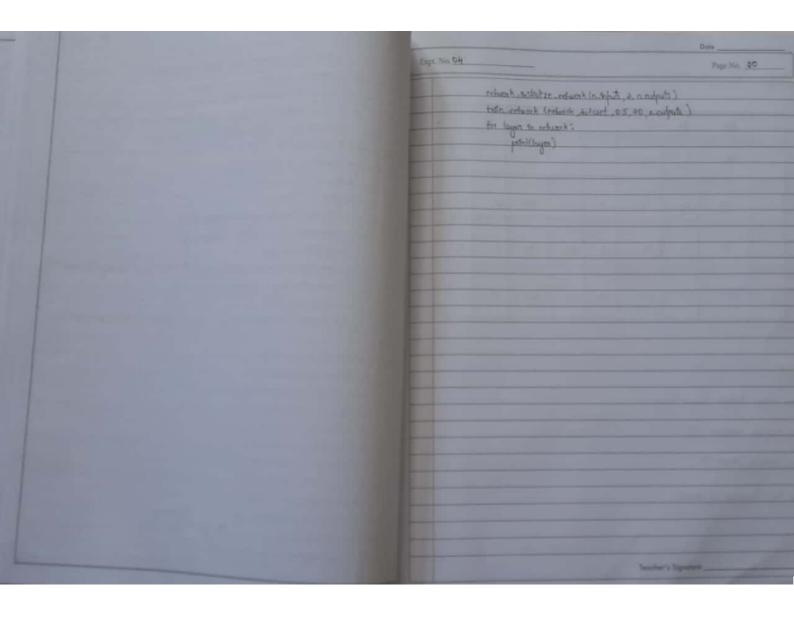
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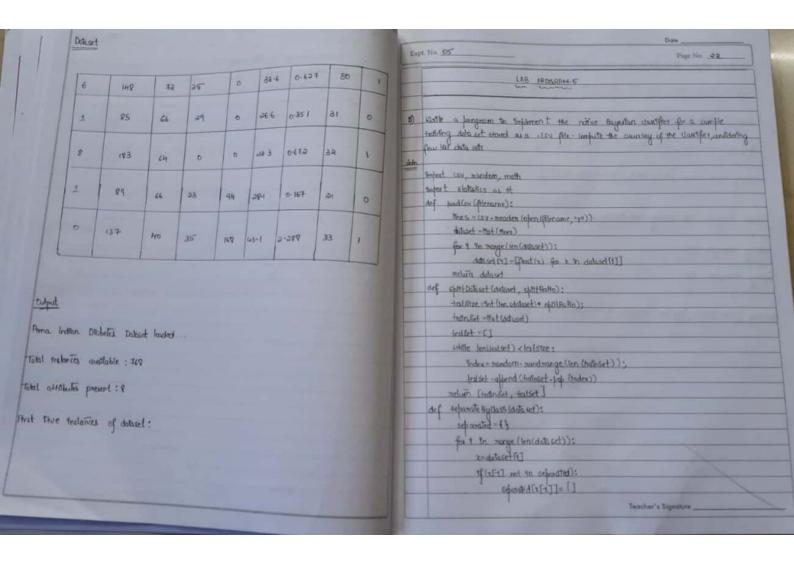
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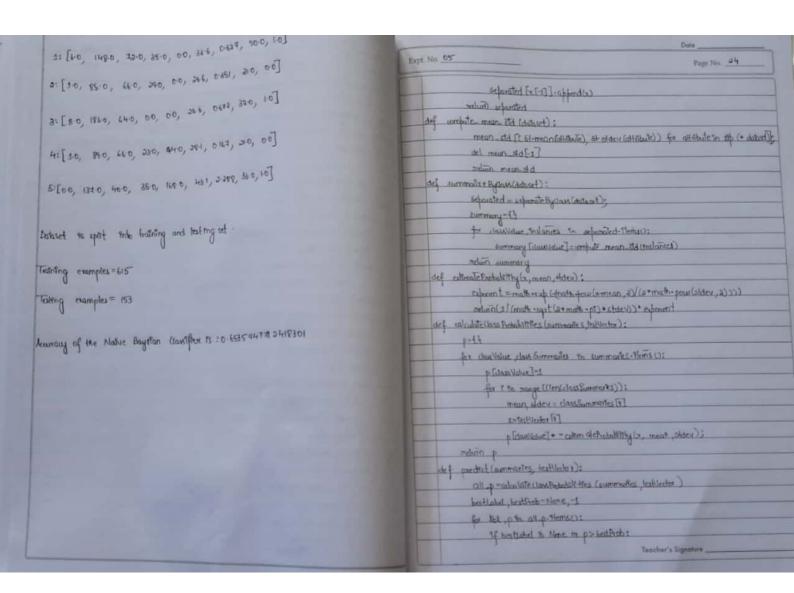
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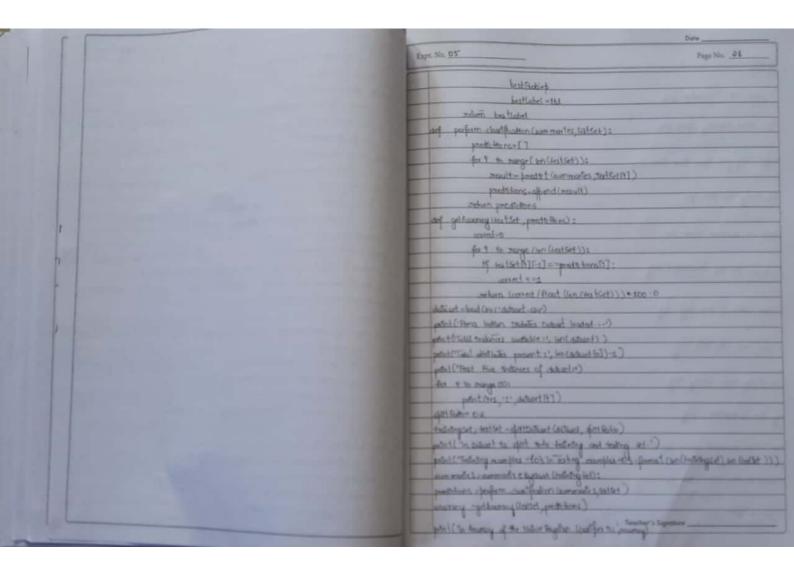
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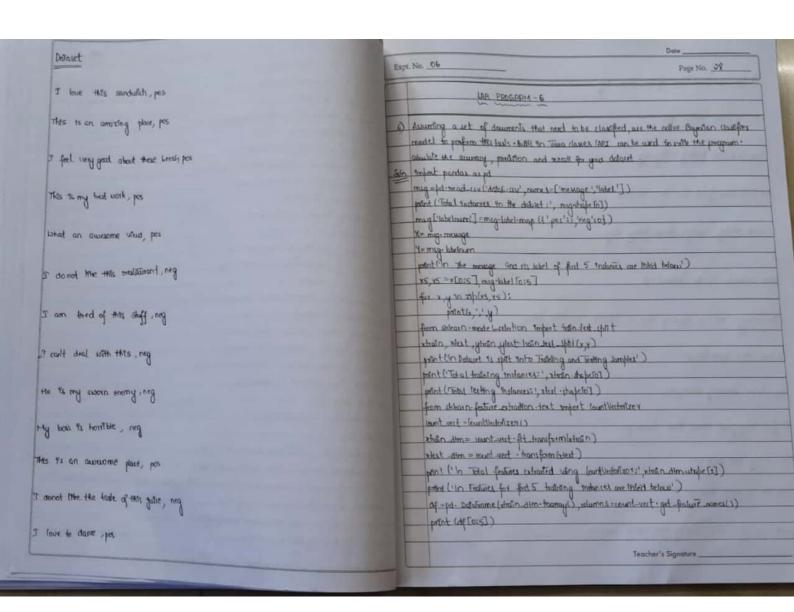


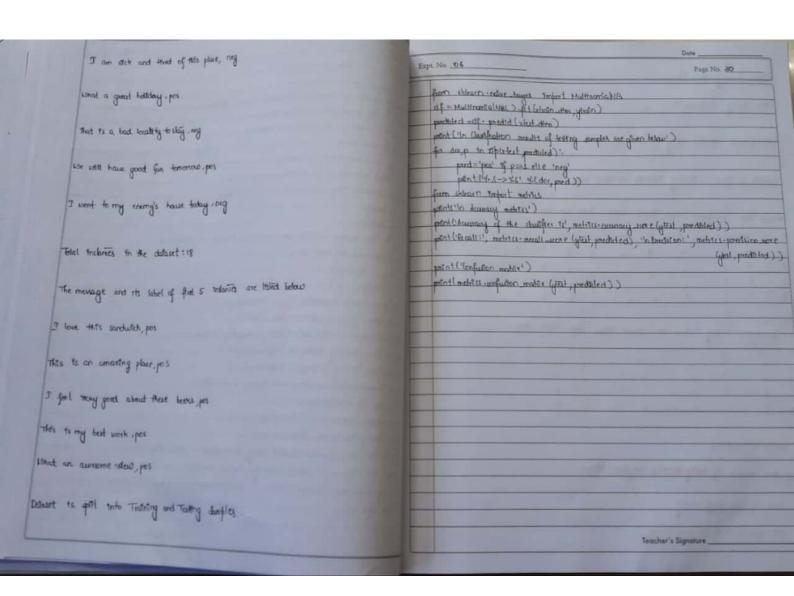


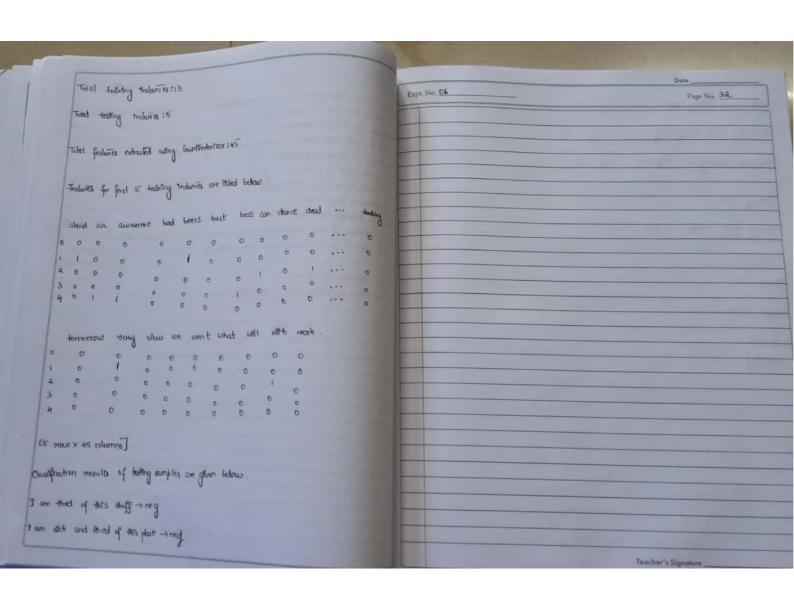


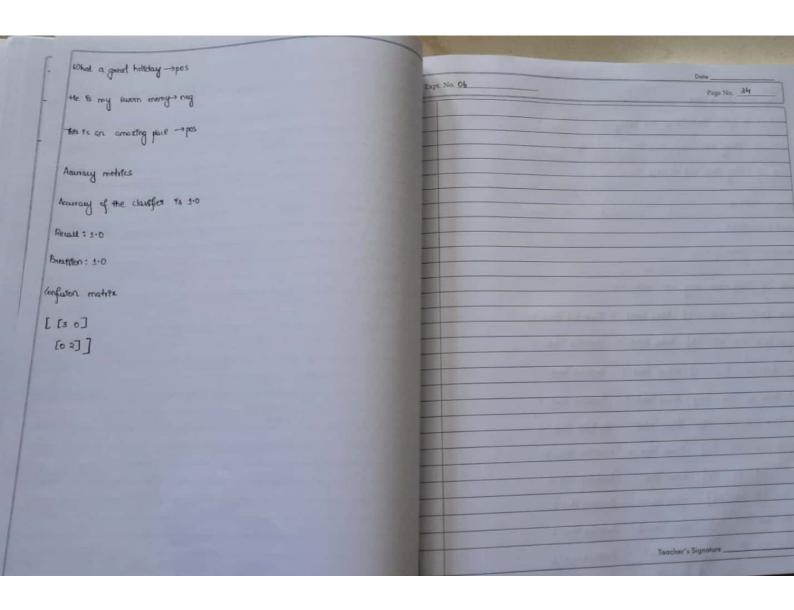












Page No. 36 Ires Data set haded Expt. No. 09 Datacet is optit into trothing and leating... LAB PROGRAM-9 some of training data and the lobel (135, 4) (135,) 3) while a program to implement 4-Nearest Nightonix algorithm to clausify the Size of feeling data and the label (15,4) (15,) can be used for this possiblem label 0 - setora sein from skleam model selection import train text split from skleam neighbors import knierghbors clauffex from skleam import datasets Label 1 - verstedor this = datack. Imd hisco Label 2 - virginica potent ("Tits Data set loaded") x train, x test, y train, y test - train test spit (sas-date, ras-taget, lest fire =0.1) Results of classification using lann with k=1 porent ("Intaut is spirit ento training and leating...") point ("size of traceing data and the label", z-train-shape, y-train-shape)
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print ("sabel", ", "-", at (tris-target_names))) Sample: [4.9 2.1 1.5 0.1] Advial tabel: 0 Psederted label: 0 cample: [5:4 3:9 1.4 0:4] Artiful label: 0 Predicted label: 0 Bedfiled label: 2 Sample: [6.7 8. 6. 1.7] Addial label: 1 clausfier = KNoghbors (low for in-neighbors = 1) classifier the (2 train, y train) y pried = classifier - priedlet (+ test) haddeled label: 0 Sample: [4.8 3. 14 02] Actual label: 0 point ("Avoille of classification using know with k-1") Andlited label: 2 Sample: [59 32 4.8 18] Adual labelt 1 for the range (o, len (x.test)); print ("sample: ", strix-tect[x]), "Actual label: ", of (y-text[x]), "Bedried label Sample: [48 3 +4 0.1] Actual label: 0 Prednied label: 0 shy predlid) Sample: 16 27 51 16] point !" (lawifraction humany:", classifier-score (x test, y test); Bredicled label : 2 Artifal little! 1 iom shlean-metrics import chailfrotion report infusion motils Sample: [14 6 3 4 1-4 03] Atlant like 1:0 Badfiled label 10 om Alean-metitis Import animy was Sample: [6. 22 5. 15] posted (Greaton motile) Actual labelt 2 Predicted liber: 1 print (confusion motive (y toul, y-pried)) Sample [5.5 2:3 4: 1.3] Actual label! fordicked label: 1 Teacher's Signature

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