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_	NOS.
	Comple)
	imagest on v.
T	data = ['Name' 'Age' City] ['YVX', '18, 'Bungaluwi]]
	with open ('people con', 'w', nousline = ') as file;
	Lositex. usuitemus (data)
,	Line 27 EAST TO VI
An	4) Explain the working of web screepping with Rython code. 2) Web scraping involved extracting data from websites using automated scripts. In Python dibraries like unquests and Brantiful Soup, are commonly used for this purpose.
be	Example) exe commonly used for this purpose.
	spean 684 imposet Beautiful Screep
	ord = 'https://example.com' - web = sanogaer
	goup = Beautiful Soup (response content, html paxers)
	titles = soup. find_all ('h2')
	for title in titles:
	print (title, got text ()).
	to the surface of the

		Q Nos.
N	04.	
	Assignment-2	non
The same	Discuss the benefits of using APIs for accessing data	and the second
(3	occurre or functionality in Python applications.	
-	Using APIs in Python has various benefits -	
-Aro	1 141 All All All All All All All All All Al	
	Junctionalities without the read to scrope data one	
1000	desirauent the whoel.	
-	in the offers weal-time dots, which is coucial for up-to-	
	-data information.	
	(200) at allows applications to scale by outbloading complex	1
	processos to external services.	
	en et enables integration with various platforms.	
2	What is KNN9 Explain its significance in ML.	
Ans-	The KNN roadel is simple, non-parametric, and instance-	
	band dearning algorithm used for classification and	(4)
-	Jegeopoion in ML:	Ano
-	It would by identifying K-nearest data points to a green	
	query point and making puredictions based on the	
	CCONDAULTI LINDO MAY INTERNACE LICELLA	
	The significance of KNN less in its simplicity and effectiveness	
	The significance of KNN lies in its simplicity and effectiveness clos small datasets, case of implementation.	
-		
(3)	With the example of the Iris Datacet how KNN is done.	-
200 3	impout numpy as no impout paradas as pol	_
		5
	chrom cokleans datasets impount load inis	Ans
	from collean, model celection imposet train_test_split	
	Steam sklean. reighbours impout KNaghbors Classifier	-
	Juan Sklean. metries imposet acubray-score	
	V	
	8	

	Q Nos.
ng data,	ivuis=load_inis() X= inis. data y= inis. target
vices,	X_toain, X_test y_toain, y_test = toain_test_split (x,y, lest_size = 0.3, random_state=42)
ep-to-	**************************************
complex	Knn. fit (X-bain, y-train)
	y-prod = Rm. prodict (x-test). accuracy = accuracy score (y-test, y-prod) print (y steensacy score: ?accuracy: . 2 f g').
and and	Aros this a cotatistical most by binary classification
wen_	that models to probability of a binary sustames based on one or move predictor variables. The uses the logistic function to map predicted values
Hivenus.	to probabilities between 0 and 1. It is defined by $[\sigma(x) = 1]$ where x is the linear combination of the input of eatures.
	(5) Explain Supposed Vector Machine.
i+	Ans) SVM is a varposeised machine doarning algorithm used for classification and regression tasks. The primary goal of SVM 18 to find the aptimal hyperplane that maximizes the margine between different Classes in the feature space.

Q	
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me hyperparis	ingest possible margin which is defined
an the dist	ance bluthe hyperplane and the neavest
data points	from each class.
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