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(a)	Networking SDS Page No.
90	Practical No: 48 Dalobase Connectivity Date
200 C	DII khnite a python program to implement client server
33	ouchitecture. In which client will nequest for current time from server.
9	profession and the second seco
13)	#Server side script
73	Proport socket
13	import time
12	
73	#Icreate a socket object with with and and and the
13	Serversockel = sockel.sockel (sockel: AFINET, sockel. SOCK_STREAM)
- K	() () () () () () () () () ()
13	# get local machine mame in many in the ma
-	host = 30cket.gethostnamec>
1	pont = 9999 V
	Servensocket. bind ((host, pont))
3	Harris C.
3	Hqueue upto 5 request (5032° 1.332) 251) 0'- holomonia
)	servensocket. listen (5)
•	
•	kihile True: .2000 10:04181 F1 0011 8 010 3011- 5-
•	#establish connection
, 0	clientsocket, addr = serversocket. occept()
4	pnint ("Connected to %5", %str(addr))
	current time = time. Ctime (time.time()) + "\n\n"
)	clientsocket. send (currenttime.encode ("ascii"))
)	clientsocket. closec>
)	GIICA (Section 1)
)	# Client Side Script
3)	smport socket
	+1 create a socket object
	S = SOCKEL. SOCKEL (SOCKEL. AF_THET, SOCKET. SOCK_STREAM)
D)	, Journal John John John John John John John John
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	# get docal-machine name.
30.7	host = socket gethostnamecs.
-	Pont = 9999
	Aging all committee
	# connection to hostname on the port
	s. connect ((host, pont))
-	# recieve no more than 1024 bytes.
	-tm=s.necv.(1024)
	S.close()
	print (" The time Gs : %8" %+m. decode ("asci")).
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	Output 8-
	Mison deur tener te incher
	# Server
	Connected to (192.168.5.1, 52522)
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	HA CHAIL
	The time Gs & Mon Mar 17 13:40:31 2025.
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2)	Demonstrate UDP.
	Walter than the same of the sa
	Code 8
	# UDP Servey program
	import socket
	# Cneate a UPP Socket
	Sock = sockel.sockel.AF_INET, sockel.sock_DGRAME)
	# Bind the socket to the port
	server_address = ('localhost', 12345)
1	print Stanting up on 23 pont 23. format ("Senver address))
	sock. bind (server_address)
	Hages is
	While True:
	print ("In Waiting to recieve message"):
	: data, address = sock, recvfrom (4096)
	print l'Recieved &3 bytes from &3". format (len (data), address))
	print (data encode cr)
	sus so of action
	i data:
	Sent = sock. sendto (data, address)
	pnint('Sent 23 bytes back to 23', format (sent, address))
	# UDP Client program
	import socket
	-H create a UDP Client
	Sock = Sockel. Sockel. AF_THET, Sockel.SOCK_DGRAM)
	server.address = ('localhost', 12345)
	try:
	# Send data
	message = b'This as the message. It will be echoed!
	Sent = sock. sendto(message, -senver, address)

SDS	Page	No.
Date		

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	Date
	# Recieve response
	print ('Maiting to recieve')
-	data isenver = sock. recurron (4096)
-	print ('Recieved 21,23'. format (data))
	finally:
	print (* closing socket).
	socket. closecs
	(mary, Great soul passessing mura
	Output 8- oct. 100 - 7 house : 31 house of the contract in the
	1/20 18 18 18 18 18 18 18 18 18 18 18 18 18
	# Senyer
	Storting up on localhost pont 12845
	Waiting to recieve message
	- (1100) annamon of other spreadors of the
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	# Chent
	# Chent
	Sending b'This as the message of will be echoed!
	Sending b'This as the message of will be echoed!. Waiting to necieve.
	Sending b'This as the message. It will be echoed!. Waiting to necieve. closing socket.
	Sending b'This as the message of will be echoed!. Waiting to necieve. closing socket.
	Sending b'This as the message. It will be echoed!. Waiting to necieve. closing socket.
	Sending b'This as the message of will be echoed!. Waiting to necieve. closing socket.
	Sending b'This as the message of will be echoed!. Waiting to necieve. closing socket.

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