	8
	functions & Recursions Date
	Doogson roing a specif rask.
	When a program gets bigger in size & its Complexity grows, it gots difficult for a programmer to keep track on which piece of Code its doing what?
	programes to keep track on which piece
	of Code its doing what?
	A Junction Can be seused by the programmen
	in a direct be sensed productions
	English more detailed to the second of the s
	Example & 3yntex of a function.
Ge M	The syntex of a function looks as pollow.
	det punct():  point ("Jiello")
	point ("Jiello")
	This pencion can be called any number of
-	times anywhere in the progreero.
	Function Cayl
	1
	Whenever one want to coul of function, we put The narrow of the function followed by parsenthesis as pollows:
	by parsenthesis as bollows:
	-funct () -> This is caused gunution (all.

	Page No. Date
	Function Depinition:
	The peror Contening the exact set of
	rnstructions which are executs during the
	Quick Quinas I bis a manger to meet a
	Buick Buize: Write a progression to greet a
	using Jounction.
	he basena si "sust" se prased
	Types of Junction in python
	There are types of function in python.  1 Build in function (Arready present) 2 Users expine function (Depine by user)
	List Land down a conse the constant
	Example of build in punction includes land
	18 Propried IV Domor minage and HIV
	The function we depined is an example
	of user define pancion.
Charles Sand	Example:
	: (Marphomes 11 = among > 19000 + 44ko

Page No.		
Date		

tunction	With of	rqument?	CE asin
			,

A function Can accept some value it can work with he can put these values in the parentesis a function can also setum values shows below.

det greet (name):

go = "Thello" + nourone.

wick Quive: L

= green ("Tejas") is passed to green

- A will now Contein "Hello Tejas".

Depart Parenteter Value

He. Can have a value as depart orgunents in a genction.

It we 3 pecity neurone = " stronger" in the the Conteining day, this value is used when no argument is possed.

foxample:

det greet- (name = "stronger"):

Page N	0.	14
Date		

goeet () > Meroe will be 'stourger'in

function body (depaut).

goeet ("Tejas") > Maroe will be "Tejas"

in punction body (possed) recursion .

Recursion is a function which calls punction, itself.

It is used to directly use a topouthernatical paromula as a function. For Excreple.

factorial (n) = n x factorial (n-1)

This punction Depine as pollows.

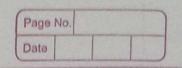
dep factorial(n):

Ecturn n#factorial (n-1)

Ferum n#factorial (n-1)

Punction (alling)

PHSELD



The works as pollows.

factorial (4)

4 x function (3) 4 x [8 x factorial (2)] 4 x 8 x [2 x pactorial

4×3×2×(1) [punchon sexmed]

The progreenment need to be extermely contine with securcion to ensure. Their the genetion dosen't infinite Keep Calling itself.

Recursion is sometimes the most direct

Recursion is sometimes the most direct

	Page No.  Date
	precedent of those Newsberg.
2.	Convert Cerelow to Preminhite.
3.	How do you prevent a python point ) quinchion to point a new line at the end.
۲,	Write a securezine function to calculate ten sure of first n multural number.
S.	Write a python fearchon to point pisst n lines of the following peuttern.  # # # -> for n = 3  #
6.	Write a python progresson which convert inches to cons.
7.	Hoite a python genction to gernove a given from a list & stroip it all zame time.

	Page No.
8.	Woite a python function to point toutiplication temple at given Nurobers.
	Value and the state of the stat
Stron	Convert Careloussers Programmites
okies.	The bottom restriction of the bottom and the bottom
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demail	FF teste to control description to traint glast in
	Fig. 500 - 10 Maria
And Date	TOURS CONTRACT DESTRICT DESTRI
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