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Instructions

This quiz is graded against 100 points total with exactly 100 points allotted to the questions. You are to write legibly and show all workings to derive your answers. Write in the given answer spaces below each question. Do assist by marking "//" at your final answer of each question to assist with grading. You may assume that all necessary includes are present for all questions.

	Write the expected output in the answer box that follow. [30 marks] o 12 3			
	FuncR(0);	void FuncR(int i)		
		{	0123	
	return;	if	(i > 3)	
	rquin,		return;	
			0123	
~	AB ABAABBAABABB	Fu	incR(i+1);	
X	AD VD. 1990 LINDS		cintf("A");	
KI	66666		incR(i+2);	
, ,		pı	cintf("B");	
AB S		}		
	Answer:	void Finck (int 1)	void Finck (int 2)	void Finck (int3)
1	Finch (0+1); - Finch (1);	Finch (1+1);	frick (2+1);	Finch (3+1);
AB Z	X FINCE (012); FINCE CA	3	}	3
	AB X	boid Finck (int 4)		
	Fund (o)	(
		1 retirn;		
	1 AB	7		
	1 AB]		
	1	printf ("A");		
	2 AB	T	vaid finck (int 3)	void Funk (int 4)
	1 1 1	void Find (int 2)	vaid finck (in 3)	(
	3 AB	Voice 1	{	1
	3 / 10	Fina (2+1);	void Finck (int 3) { FuR (3+1);	retin;
	1	FUOL (2+1),	3 -	}
	XX	}	3 5	
			. \	
			- 3	9



Write a function named StringToUpper that takes in a char pointer and returns void. The function will convert all lower-case characters in the given string to upper-case characters. [30 marks]

Given a struct named "IntNode" that contain members "value" (integer) & "next" (struct IntNode*) which is used in a linked-list. Write a function named AddIntToListBack that takes in a pointer to an IntNode pointer and a new value integer. The function will create and insert a new node with the new value to the end of the linked-list. [40 marks]

```
Answer:

Void AddintTolistBack { street Introduct ** ptr ( ) halve }

{

struct Introduct * current = NULL;

struct Introduct * reunivoide = NULL;

if (ptr == NULL)

return;

nannoduce: (struct Introduct*) malloc (sixuel (struct Introduct));

neunivoide = value;

neunivoide = value;

neunivoide = null }

current = tptr

if (current == NULL) {

tptr = neunivoide; neturn;

while (current => next)

{

current = current => next;

}

durint => next = neunivoide;

}
```