

NATIONAL UNIVERSITY OF MODERN LANGUAGES, ISLAMABAD Department of Software Engineering Mid Term Examination- Spring 2021

Roll No:	SP21128	Class/ Section:	BSSE 1st semester e vening
System ID:	NUML-S21-35985	Program:	Software Engineering
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Course Title:	PROGRAMMING FUNDAMENTELS	Campus:	Islamabad
Course Code:	SEPF-101	-	

Instructions:

- Be mindful of time. Try to f nish your answers within prescribed time. Upload your an swers within 15 minutes after the paper time.
- (2) Honestly observe all online examination protocols with your cameras on.
- (3) If you upload hand-written answer scripts, write legibly so that so that teachers can c onveniently read and grade your papers.
- (4) Be precise and relevant in your answers.

	FINAL TERM Examination (2021 NUM) Date: / 120
	Name: Syeda KER Bataol Roll No: SPAILAS
	Class: Best-1st Semester Sir Name: Waris Ali
	Subject: PF (Theory Shift: Afternoon
	Solution Paper
	Guestian No:- 2
1	#molude (nowlroam)
	#mclude como.h>
	using namespace std:
	float input-Radius ()
h-	Cy .
	float radius +;
	Cout LL" +*** Land Dimensions + **** Lend!;
	cout is "Enter the radius in the feet and .
k ji	inches:";
100 100 100 100 100 100 100 100 100 100	CID >> Kadips;
	3
	float length (float rad)
-	
	float lengtht, r:
	float radiu;
si.	rz rad;
	length = 2 = 3 = 14 + r
	Cout LL" *** Cost of ferring and Leveling
	land ***** LLendli
	Scanned with CamScanner

	(610) 1608 norden 2 12 12 10 me - 1 110
and the state of the later of	cout 12" length 10 pt 1101-01 pence ; "" 11 length
· management	ce endi me i me
Married State Section Company of the Section	11
	April Constituted
	return length; racing and die
-	3
. >	float area (float radi)
	e _t
	float v;
	r= radi;
	float aven;
	aveo = 3.14*1*+;
	cout LL "Area of a circular land; "IL over
_, >	·
_, >	(cenali
	Feturn area;
	3
_	float colculating-cost-of-ferring (float len)
. }	9
	float - cost - of - fencing;
,	float length, leni
	cost - of - fencing ? lingth * 50;
	cout is " cost of fencing:" (co fupers," is end)
	3
	Float Calculating- root- of- leveling (float ar)
A separate services	4
daglaconylicar e collections collections	float coel- of - leveling;

	Question no 3:-	
	Part 1	-
	Solution	
	String is most used for data type of the C++ it is used stored a	
,	sequence of letter and the character	
	Like Kisa or 28th is her brithday	
	Three different ways to used string	
	ave 5	
	is length (): used to find the length of	
	as the string	
	a) Appender: It is used to extend the	
	string by appending at the and of	
	the current value.	
	3) 9 et line (): Occes school It commeny is used to	
an a	Provide getere function to read whole	
	line.	
	Part b	
	A process of declearing multiple	
	functions in a same name but different	
	Parameters is called function overloading	
	The function with same name must	and the same
	be a differ in one of the following ways	

	Date://20
)	Number of Pavameter
ని)	Types of Pavameter
3)	Sequence of parameter
	function over landing allows the Programmers -
	so to assign some nome to all function.
	Advantages
	Some advantages of function overloading
	ave
3)	It provides polymorphism
	It is easier for the programmer to
	remmember as the same function mame.
	with different task
»)	It speads up the program exembon
•)	It help in code maintainage
•)	It provide readability and contensistency
	consideracy in a program.
	- พาการ์ลบาร์อั
	Part 3:
	Yes it is possible to compare the
	Pointers if they are pointaing at the
	some array. To compare two pointars -
	relational operators are used
	Two pointer of same type compare equal
	if they both are null, both Panted
	to the same function.

Part 4
Enums
Enums stands for the Enumerations
It is date type where every
Possible value is defined as a
symbolic constance
enums connot contain structure
Structure
A structure data type is defined
as that data type which donot define
lest of its constants
A structure can be contain enumeration

	Date being being being being party being being state states being depen being gages being	-
at sent the court of the	for (inti-(size-1); i>20; i-1)	
	cout is " value of clement " LA int 1 int " 16 i"	
Market and the second	12 + (arr +i) 11" and the address is:"	
	LL arraige endi;	
	coutil enali	
,	3	
	void find largest (int + arr, int size)	
	cq	
	int maxio;	
	int index =0;	
	for (int i= 0 ; i, 812e; i++)	
	Cy	
	1 (* (axx + i) > max)	
	Cų	
	may = * (ax + i);	
	Index = i;	
	3	
	5	
	cout LL "Inlargest element of array	
- 4	15 " 12 max LL " and at index:" LL index	
	Lendli	
	3	
	int main ();	
Many	4	
And death see his sample than in the second		
The second se	const int size = 10;	

int arr [SIZE]i input (arr, SIZE); 60m (arr. SIZE); Print Reverse (arr, SizE); find largest (arr: SIZE); return Os