

Lab Exam

Programming Language 2(CS) : Section : M, N1

Name :	ID:
Question 1 and 7 are mandatory, from 2 to 6 answer any one	Total Marks : 20

Design the following class

AccountHolder	string name float balance	Private variables
	2 Constructors (Empty, valued)	
	setName(string s)	Sets value to name variable
	setBalance(float sal)	Sets value to balance variable
	getBalance()	Return balance of account holder
	getName()	Returns name of employee
	print()	Output all details of account holder

1. Write the above class 5
2. Create an array of the AccountHolder data type and assign some values for each AccountHolder, destroy all objects at the end of main() using delete keyword. If any object is destroyed, a message should be output. 5
3. Calculate and output total balance of all account holders from an array of AccountHolder class objects 5
4. Write a C++ program that will measure the size of a text file in kilobyte. Remember each character reserves 1 byte in the memory. 5
5. A phone number like “01711000000” is stored in a string type variable, your program should decide it's carrier name based on the third character in the string. Example of carrier names : grameenphone, robi, teletalk and etc. 5
6. Write a class named, Person. The Person class will be the super/parent class of the above AccountHolder class. When designing the Person class you must change the AccountHolder class according to the inheritance concept. So common variables and functions should be placed in Person class. 5
7. Viva 10