1601-14-733-091 CSE ZBE YU I'd fem

Laboratory Record

Sheet No.____

Experiment No.______
Date

DIFFERFACE BETWEEN C& C++

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C++

- 1 Procedure Oriented programming language.
- (2) Top-down approach is followed.
- 3 There is no-protection and safety of data.
- (4) uses structures
- (3) Encapsulation, Data Niding, polymorphism, abstraction, Junction over -(oading etc are some features present in C++ by not present in C.

Object Oriented Programming Language.

bottom-upapproach is followed.

Protection of data is ensured by using objects created by classes.

Both & mutues and Clarses can be used.

Encapsulation

Data hiding

polymorphism

abstraction

function overloadily

neurable code

Roll No.

CBIT

4+ 6) Emphasis is on data Emphasis is or data to procedure rather gather than procedure. from data. cin (input object) stoout (outputstneam) cant (auput object) stain (in put stream) Programs divided into o bjecto (8) Programs divided into functions. 1 Para moves openly Data is hidden and cannot. around the system from ne accorded by textural function. function to function.

DIFFERENCE BETWEEN CH CLASS D Related to Object oriented programming	ASS AND A STRUCTURE STRUCTURE
	STRUCTURE
D Related to Object Oriented	
	Related to Procedure Orient
brodramin	Programmy
2) Classes are blue paints	Structures are hate user
2) classes are blue points to create objects.	defined neterogenous date
	The selection of
Objects contain data as well as functions needed to manipulate	various privitive data
hedata.	types like introductions food
(Typedy not required.)	(Typeday is required
3 Eigh marker data type	Each member can be
3 Fach member data type of the object cannot be	accensed directly.
assor accensed directly	
4) The data of the object	each member of the stra
created by class is hidden,	on be are accounted on
it can be modified on used	modified by outside June
by the interior functions of	also. Here the original
the object Only. This answers the data zafety.	date is of risk.

Memory is allocated for both data and functions in class , for structures memory is allocated for the data only....

Class

class student

5

char nam [100]; introde, rall;

public:

void geldela()

"Cin >> name >> tall >> talk;

Fair display()

Ecouter name ex "(1") ex vall ex rank;

3

3;

vow Object declaration:

Student stu;

upondeclaration of stu, the

detables name, rank, rall Shring int

can be accessed by the functions

getdata () and displaysonly

stu-getdatal); Zin main stu-display(); Zin main

Mence enous safety.

Structure

typedy smuch

{ Charanoms[100];

2 Student;

declaration: (in main(1))

Student Stu;

in the structure
variables the, If the
variables name, ranks,
roll can be accessed
by all the functions in the
program. (hence no
data safety).