Assignment-1:

1 What one the characteristics of a programm ranguages O I t is Procedural Programming Danguage OIt is a high level programming language 3 It is native Programming language means It's communicale with operating system directly @ It i's compiled programming language 5) It follows a top to boltom approach (6) It is a case sensitive (1) It is statistically Typed language (It supports data Types) 3 c programming is blocked structured language (d y) 2) what is mean by identifier? And identifier represent the name in the C Program, for example, variable, Lonction, arrays, Stoucture, union, lanels-etc An identifier can be composed of letters

Soch as opper case, lower caseletters, uncerscore , digits, but the strating letter should be either an alphabet (00) an undersore

3 what are the Dasatypes available inc programing language trere are Three Data Types available Ang in a programing . hay 1 Primitive Data Type @ Derived Dasa Typy @ wer Defined Datatypes 1) Primitive Data Type > These Types which are provided by language coneator of that we can use directly in our program which is called as prémitive Data Types >It Includes void, boolean, char, int, float, ec @ Dorived Dota Ty Pel: The Types which are create from any other Data Type which is caused has perived Dataty Res DIT Included Punction, Pointer, andray Reference Duser Defined Data Types: The clasa Type which are created by a chanding on requirement of programmes is cauce user Defined Data Types -) Its Includes class, union, Enum, stoucture

is what are data Types comes under wer defined Data Types in c? As Data Type are cirunion (ii) Structure (iii) enumeration (IV) class 5) What are the primitive data types inc funat arc tresize of primitive dataTypes primitive data types are Void memory size obytes boolean memory size 1 bytes integer memory Size 4 bytes Character memory size 1 bytes float memory Size Hbytes Double memory size & bytes what is mean by data type orbition Types qualifier are regwoods that can be used to change a data Types behavior in the c programing longuage These qualifiers can used to delevibe a variable compointes constancy, volatility prestrictions

	Types of orvalifiens in a
	1. Const
	2. volatile (- volatile)
	3. Restrict
	4 Atomic
	5Thread_local
(page 1	6Nosetwin
	7. Alignas
do C	CALLYS AND A CONTRACT OF A CON
	The same and the s
) 3	Explain the concept of Data object
	J 5000 1 10 10 10
A	ng-Data Object is consider as the memory
## H	location of our voriable
	every data object contains Two Types of varies
	OLValue: L Stands for encation on the
	Orasion means the base address of the vontable
A com-	vooriable
	@ R value: R Stands for Restand at our memory location. Restand means to
	initialised in our voniable
	EXI-int NO =s: Idoutes R values
	DOSCI 100 104 LACEUCUL davai
	Objesive (100 104) dains
	addroes

08) what are typesof of programing longuages AN3 3 Types of Programing Languages

Direct oriented Programing Languages

Object oriented Programing Languages 3) Virtual machine Based programing longue 00 what is mean by datatypes modifiens And Data Types modifices: modifices is consider how a key word which is used to modify existing characteristics of variables There are Two Types of modifices Destroy and long

The use short modified with Integer It will allocate Two bytesog memory -> If we use long modifier with Integer It will allocate 8 bytes of weword int a=10; 11419109 Short int b=10's 1126924 long int c = 10; 11 8 bytes C 10 1

@ signed & un signed are Dodatype mody > signed & unsigned keywords are used to specify wheren we are going to Store content with Sign con without 8190

EX! POOTOTYPES int a =10; int b= -10; unsigned intc=10; Signed intd=10) unsigned inte=-10;

10 Read below Statements and draw its diagrammatic layout

i) int no = 14

no 11

Ci) int x

100 104

iii Char ch

