Assignment 2. I what is Doogramming Conquere ? Peatures of CPU 9 Ph: Considered as a language, which is used to meract/ communicate nith computer. - It we want to perform any test with help of conjules That we have to interact it with It in It's longuage (binany). Det: Parogram is considered at text file, which contains the instructions, written in programming language. of Features of C J. General Purposo: - We can write create any offer of software appr of procedural programming: - Used to write a jongram in frmat of procedures. Block Smothered (C& Java) - Everything in C programming gets written inside Complet programming language: - compiler is used free flow: - Inside appr we can townsfer flow from I pa to another point Starically typed: - Provides inbut data types Marine PL: - Interact with Os directly Stendardized: - By multiple org? (KER, ANS, 180, (-99)

What is meant by Date Type? Types available in · When we execute only operation it gets loaded in RAM.

· Inside every apply forogram we need same

memory locato, to spre values, for two we have

to come a variable. to crowe a variable. · Before croating variable we have to decide its Abe is Dina files, e Rion programming long provide get of clava types we can use in our appr 1 and Types Wer Defined Prinitive Denevod Array, Pointer Smicher, Union Char, int, float Penumerata. Reference Boolean Real of Primitive: Date offer promided by language designing.

As a programmer we can create variables of primitive.

data types directly. (38) of Deneved: : A composite date types most concertein intrinsis l'déviered dates gres. Oser-defined: Dota types defined by user.

Der defined data types and its list? meaning - Date type derieved from an earshing down type These are defined by user (porgrammer). taemaines formated in once & columns according to their In porgramming - Array is a collection of items, or days, stored in cowinguous memory locations known as database of strecture: Collection of various types of related information under one none. Declaration of smechine forms a template, and variables of shuchres and known as member. Keyword: 'struct' Roumeration: Mainly used to useign names to "integral condants, the names make a program easy to read [Coyword! Brum' Set of named integer constants front define au the possible values à variable êthat passicular Ape can have Union: Contains members of different dates types & power members share some storage area Keyword: 'union' Class: Croup of objects with some operations & atribules Keyword - 'class' class (classmane)

What are Primine data types. In c & what are their oizes? Ing designer. As a jongrammer me can encoure variables of primitive down types directly. That [Characters : - store a letter (auphabet) - Size - 1 byte (8 bits E.g. (a), (A', 'a') The [Integer]:

Numeric value | 2.9. 20, 98

Sizo - 4 byte (32 bits) |

Float - Mumeric value conseining décimal point
- 512e - 4 byte (32 bits)
- Reg. 95.80 Decimal points with more aligners.

Size - & byte (64 bits)

L.g. 123.98833 Fooleun

- Can store I or O (True or Palse)

- Size - 1 bit 5 what is meant by identifier? - Jedensfiers are plames assigned to different - They are reserved words. functions, arrays, etc

Rg. print, scanf, int, char, smuch, etc. I what is moont by data type qualifier

In C, C++ pargramming languages a type qualifier

is a begins of that is applied to a type, resulting

magualified that. maqualified type. a constant integer, while int is the corresponding unqualified type, simply an integer. & Raplain the corrept of Date object & 156 & R value. - When we create a variable of is considered as ' data object ' - Doute object contain 2 things: D L'value - Indicours data object locato Considered as address of that object in memory CRAM) 2) R. value (president value) - Data stored inside that voriable. of 4st out different types of Programming language

north examples

D'Types Toro cedure oriented object oriented historial mochine based. I Object - oriented PL: Snyle of programming characterized by identificat of classes of objects clased link och with methods (functions) with which they are associated. Rig. Creating a 'cake ' with attributes like flour' bare, "icing, along with methods like spour, 'add', ele

| | Date: / / |
|-------|--|
| 51 | Procedure briented programming language: |
| | - deneral from Bruchray programming |
| | - Procedure so Linction, opulmer or submedies. |
| 100 | consist of a series of computational steps that they |
| | ADDOL AD MINORI DILLE. |
| | Rig. Ito developa simple Bonk Account - Al downers |
| | 2 to marce yea |
| 3 | Worthal Machine Based Jorogramming |
| 3) | - compute resource that uses software instead of a |
| | physical computer to run programs and deloy apps |
| 200 | R.g. Java vm. Unux process and MBT vm. |
| - | ' dojao oajet.' |
| 9 | What is meant by Date fipe modifiers? |
| > | - These are special reymonds defined in the programmine |
| 770 | language which are used to modify the default compenses |
| | of Built-in date Aper |
| | - used to mocify the ronge of data types Palso memory space allocated to the variable |
| | memory space autocuted to the vondine |
| [6] | Draw Wasrom matic Lauballe |
| " | Char division = 'A' |
| | intage = Do; |
| XXII | floct mores = 67.09; |
| | double value = 90.12345678; |
| | bool a = true; |
| 200 | TONOR CHECKED PET, Shire a programming chareds |
| J. X. | dission hale marks value |
| | 100 104 200 204 300 304 400 408 |
| | 100 104 200 204 300 304 408 |
| | bood a |
| | |

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