Daily Assessment jarmat Name: Ifohis Donne Date: 33/06/2020 Ven: 4ALITELO37 Louise: C++ programming Topic : Data types, Arrays, pointer 4+hub repository jyoti-courses Forenoon session details Kepost A data type specifies the type of data tend a variable can store such as integer, gleating, character etc. there are 4 types of data types in ett Language. 1 Basic data type-int, char, pleat, double
2 Berived data type-arrays, pointer etc
3 Innmeration data type-enum
4 uses line of the type-enum 4 uses defined data type - structure the basic data types are integer-based & floating point based ett language supports both signed & unsigned liter the memory sixe of basic data type may change according to 32 or 64 bit operating system. - Like other programming languages, array in c++ is a group of similar types of elements that have contiguous notemory location in ett std: array is a container fent encapsula ter gived size assays in ett, array inda starts from o we can store only filed set of elements in or array. Advantages of cert array -> to de optimization (liss code) - Landon Access -yeary to teamer data arealy to mampulate data

Dicadomntages of ett array - fixed size there are a types of arrays in it + programming Array Typa I single dimensional f 2 multi dimensional array Let's see a simple exiginate array, where we are going to create, instialize of teansverse array. # include ciostreams ming namespace stds int main!) 2 intarres = 410,0,00,0,30) for (inti=o ; ies ; i+t) Loutezarr [i] 22" (n') Multi dimensional aslay -Let's see a simple en of ett array Hindude ciostseams owing namespace std; Int Main O £ int tat [37[3]; Lest [0][0]=5; test cististis test[1)[2]=20; test[2][0]=30; test [2] [2] [1] (ex (int j=0; j23;++)) 2 for (intk=0; K = 3; ++ K) 2 contretestistes ("") contection; setuso;

The pointer in car language is a variable, if is also known as locater or indicated what points to an address of availed repointer reduces the codes improve the gargormance it is used to returning strings, then etc & week with array structures pointer ise can viture muligle values from — It maked you able to access any memory location in the Conquer menory beage of pointers 1 Dynamic memory location Pointer program to swage nor without wing third 2 Arrays jus 4 structure # include cios tream using names face stds int main () Cost ce" Before among. * pi="cc*7, cc" x pi" cc * \$2 ccendl) inta=20,6=10,791=40,79,=46; Contre"After swap Apis coxpice" x pis " ec x pi co endis vermino;

Harrie 3 got & Downs Brie: 23/06/2020 Uch HALIGECOSA course; can programming Topic Junctions Repository Tyoti-courses Afternoon sussion details report The fun in its language is also known as procedure functions or subsoutine in other programming language. To perform any task, we can create function a function to function to function to feel and be called many times it provides modulately feels reneability. Advantages of function inc - code veneability code optimitation it makes the code optimized, we don't need to write much code. suppose, you have to check 3 nos wheather it is prime mor not without using function. but if you use ful, you need to write the logic only once 4 you can knew it several times. I hibrary function; are the furu which are declared in the ett header file such as ceillx), cos(x), exp(x), etc. I we defined juri.

ett jug ex ett include clostseams rusing narnesquer std. residently stable antico; inly = 0; conter" is "exist" of je" experendly intommin() (jund) funct);