7 June 2024

Array to function test

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| Array are two types   1. Numeric array 2. One dimension 3. Two dimension 4. Multidimensional 5. Associative array |
| \*pointer  Some example write |
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| Dynamic array m e memory liege problem hoti hai |
| Double pointer  Why we use double pointer?  Pointer always want reference for print and value print karne ke liye dreference use krete hai  Normal variable never store variable addres.  Pointer need address  Refernece need variable |

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| Why we use double pointer |
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| Function starts |
| Please insert img |

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| Call by reference |
| Recusion  A function calling itself is recusion.  There are two type of recusion  Head recursion   |  | | --- | | #include<iostream>  using namespace std;  int rec(int n){      if (n==0)      {          return 0;      }      cout<<n<<"\t";  //head recursion      rec(n-1);    }  int main(){      int n;      cout<<"Enter any number ";      cin>>n;      rec(n);  } |   Tail recusion   |  | | --- | | #include<iostream>  using namespace std;  int rec(int n){      if (n==0)      {          return 0;      }      rec(n-1);      cout<<n<<"\t";  //tail recursion    }  int main(){      int n;      cout<<"Enter any number ";      cin>>n;      rec(n);  } | |
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| Structure is user defined data type by default the access modifier is public  In c++ also we can store function in it.and structure is created by **struct** keyword and the data member or member function of structure can be access out of structure with help the variable.  Which is refered by it. |

Static member function can be access with the help of class name using scope resolution operator

We need not to create any object.

The data member of static member function should be static.

We should inisilize the data static member of class out side of it.

A composite class contain the object of previous class with the help of that object can invoke the member function of previous class.