Pointers

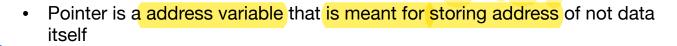- Pointer is a address variable that is meant for storing address of not data itself

- They are used for indirect access of data

- For a program to use heap memory , pointers is used   HEAP IS EXTERNAL ,THATS WHY

- To access heap memory and resources outside the main memory like internet, keyboard , monitor etc pointers is used

- Pointers are also used for parameter passing

Example :

Int main( )

{

Int a = 10 ;   - **data variable**

Int *p ;   - **declaration**

P = & a ;   - **Assignment / Initialisation**

printf("% d " , a) ;

printf(" %d " , * p) ;   - **dereferencing**
}

- Accessing Heap memory through pointer

```c
#include<stdio.h>

Int main( )

{

Int * p;

P = new int[5];

}
```