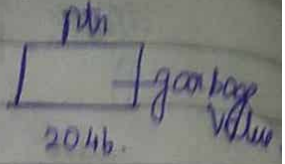
C-83 ⇒ Wild Pointers in C

int *ptr; → wild pointer.
↳ uninitialized pointer



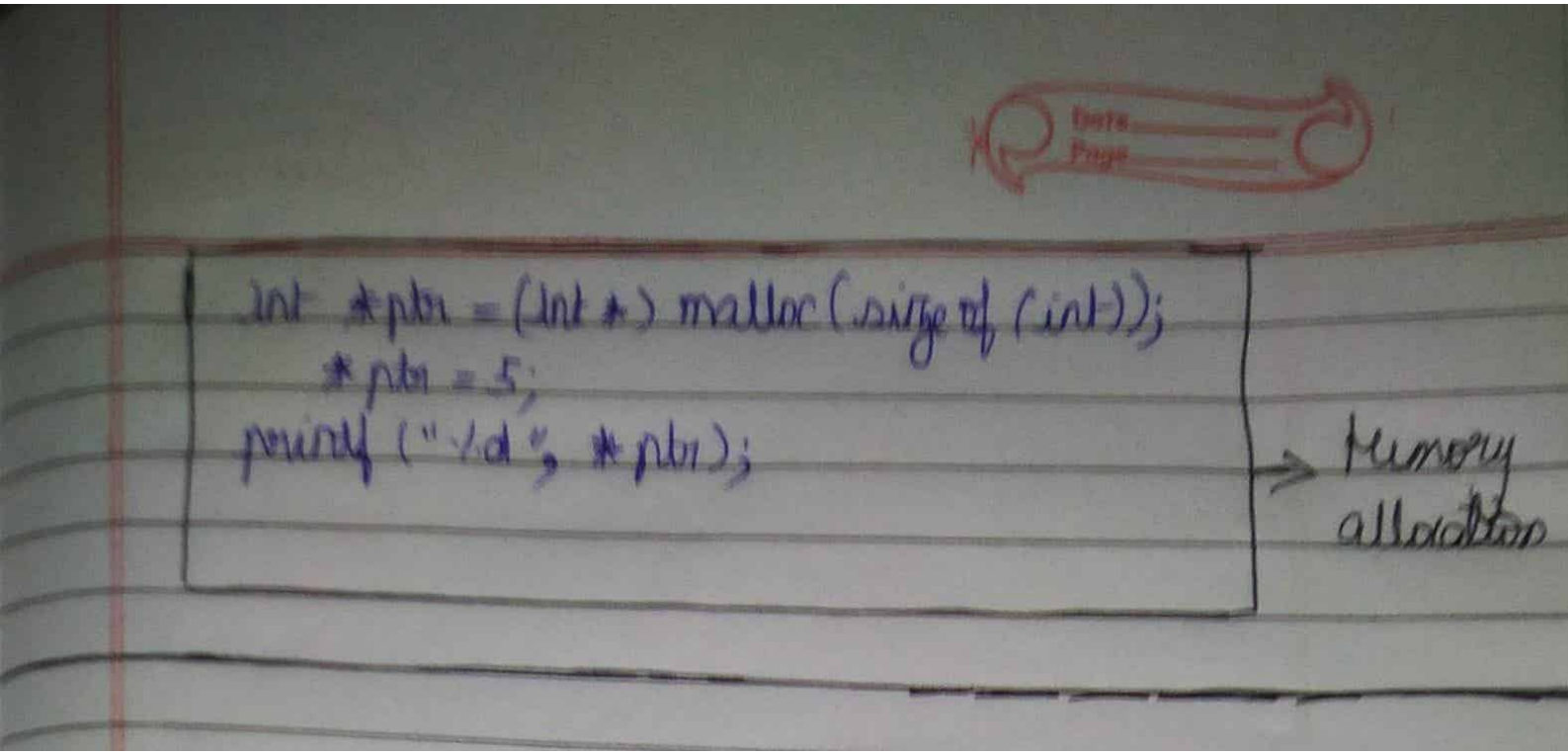
printf("%d", *ptr);
↳ garbage value or undefined behaviour
behaviour or program will crash.

* If uninitialized pointer, then it will act as a wild pointer.

* So what is the solution; then simply make it NULL.

```
int x = 9;
int *ptr;
ptr = &x;
printf("%d", *ptr);
```
→ Normal pointer.

```
int *ptr = NULL;
int x = 9;
ptr = &x;
printf("%d", *ptr
```
→ Null Pointer


int *ptr = (int *) malloc (sizeof (int));
*ptr = 5;
printf ("%d", *ptr);
→ Memory allocation

PROBLEM 1:

```c
#include <stdio.h>
#include <stdlib.h>
/** WILD POINTERS **/
int main()
{
    int *ptr;//wild pointer
/** here pointer is defined but not initialized and it gives any garbage value */
    int a=10;
    printf("a:%d",a);
    getch();
}
```