LECTURE-05 Paramming in C

Overed Jopics Characters Set Tolzens & Adentifiers Literals Constants Datatypes in C V & I rput / output Statements -> Today

Output: CPU \_\_\_\_ Output Device \_\_\_\_\_ Brinter, Speakers etc Output Statement: () Hring \* Point is a library function that allows up to display the output.

This function is defined in the <stdio.h> header file. \* frints ( ) Emider as string. brintf (Statement 1, Statement 2...) formatted formatted prints ("Hello"); Swint ont fi Screen in Hello"

# include < stdio.h > Stdio = Standard Imput foutput

ind main () &

printf ("Hello World"); 
Semi clann

return o;

stdio.h

Title of Type of

in Compulsory

```
c printstatement.c x
c printstatement.c > © main()
    1  # include <stdio.h>
    2
    3 int main(){
        printf("Hellow World!");
        return 0;
    6 }

int main(){
        printf("Hellow World!");
        return 0;
        return 0
```

Video. My

Program. C

C-program

No Spaces allowed

Porint ("Hello");
Augument Name \* Any function in C, can be identified by () Parantheses (Mound bracket)

Written for a specific task Eg printf (12); integer likerel format Specifier

\* Except string, we have to specify the type of data inside printf()

tormat Specifiers: Is It specify the format of date. \* It represents in the form of String. Specifier Description " % d" integer (signed) "冷江" decimal integer (signed) "%u" Unsigned decimal integer "%t" floating point Number "% If" double (long float)

Single Character

" % c"

Binary 10000001 Ginary Char ine float 1

Specifier

Description

1 % s'	C1, $C1$ , $A$	
/6 A	String (default)	
10/x"	Unsigned Hexadecimal integer	
" % X "	Same	Same
*%0"	Unsigned Octal Number (integer)	
11 % 11	pointer address	
"%e", "%E"	Scientific Notation (3.1E25-)	- 3.1 x 30 52
" %"	1% brist % Literal	
,% ·3 t.	Brist float Upto 2 decimal Places	
	٤٣ ("% - 2f", 3.1415 a)	
	3.14	

## Use of format Specifiers in Brist function

```
Print ("%d", 12)
value
print sinteger
```

```
point f ("%d, %d", 10, 200);
beint int int
```

```
C printstatement.c > ↑ main()

1  # include <stdio.h>
2  int main(){
3     printf("%d , %d", 10, 200);
4     return 0;
5 }
```

```
▷ ∨ ⇔ □ …
                                                     C printstatement.c X
                                                      C printstatement.c > ♦ main()
                                                                                                              10, A
                                                            # include <stdio.h>
                                                            int main(){
                                                                printf("%d, %c", 10, 'A');
print
                     Character
                                                                return 0;
                                                                                                 ▷ ∨ ⇔ Ш …
                                                     c printstatement.c ×
                                                     C printstatement.c > 分 main()
                                                                                                                 A, 97
                                                                                                                 PS>
                                                            # include <stdio.h>
                                                            int main(){
                     int
                                                                printf("%c, %d", 65, 'a');
          Char
                                                                 return 0;
        The value of a is %d', 64),
                                                                                            ▷ ∨ ⇔ □ …
                                               C printstatement.c X
The value of a is 64
                                                                                                            The value of a is 64
                                                C printstatement.c > 分 main()
                                                                                                            PS>
                                                      : include <stdio.h>
                                                  2 nt main(){
                                                          printf("The value of a is %d", 64);
                                                  3
                                                         return 0;
```

laking User in but: 2 - Address of scanf () = used to take the input from user. Ly scanf ("format Specifier", & variable); Er # include < stdio. h> printf ("You Entered %d", x); int main () } print You Entered X int x; Meturn 0; point ("Enter the number"); Scanf ("%d", &x); . Here at the address of take integer

## Brogram to take an input from user & Print the Value



