

C-25 \Rightarrow Unformatted Input Function in C (defined in conio.h)

getchar() \rightarrow reads single character.

getch()

getche()

gets()

getch() \rightarrow used to hold the screen.

getchar() :

\hookrightarrow reads only single character.

\hookrightarrow It reads or ask user to enter character; if we gives many characters as input; it will accept only if we hit "ENTER"

```
main()
```

```
{
```

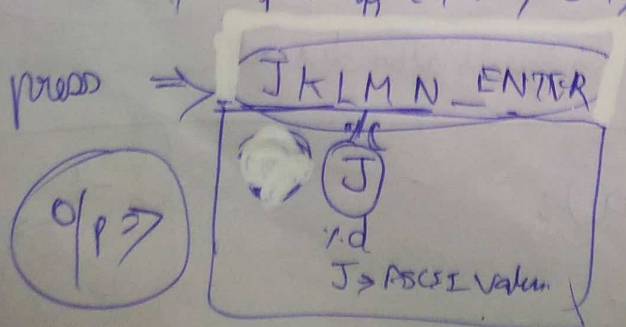
```
    char ch;
```

```
    ch = getchar();
```

```
    // printf ("%c", ch);
```

```
    // printf ("%d", ch);
```

press \Rightarrow



getch():

↳ reads single character.

↳ It does not display what character we give, but instead it will directly store the character in variable & prints when we print with format specifier.

main()

{

char ch;

ch = getch();

printf("ch = %c", ch);

press => a

ch = a

o/p =>

// printf("ch = %c", ch);

Nothing visible; it is used for security purpose.

press => a ENTER

==

getche()

char ch;

ch = getche();

printf("ch = %c", ch);

press => a

a ch = a

gets()

char ch[10];

gets(ch);

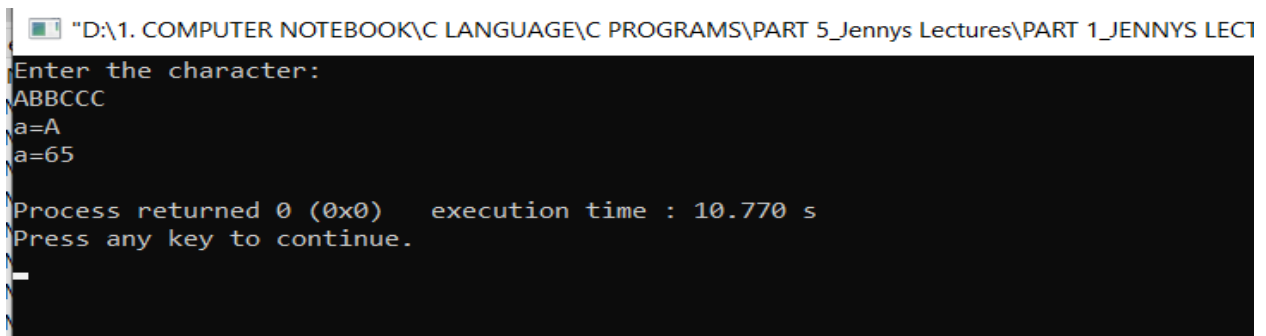
printf("ch = %s", ch);

Hello world (ENTER)

ch = Hello world

CODE 1:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  /* 1 UNFORMATTED INPUT FUCTION */
4  int main()
5  {
6      char a;
7      printf("Enter the character:\n");
8      a=getchar();
9      //get the character value and stores in variable
10     //accepts only first entered character and terminated by ENTER
11     printf("a=%c\n",a);
12     printf("a=%d\n",a);
13 }
14
15
```



```
"D:\1. COMPUTER NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\PART 1_JENNY'S LECT...
Enter the character:
ABBCCC
a=A
a=65

Process returned 0 (0x0)   execution time : 10.770 s
Press any key to continue.
```

CODE 2:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <conio.h>
4  /* 2 UNFORMATTED INPUT FUCTION */
5  int main()
6  {
7      char a;
8      printf("Enter the character:\n");
9      a=getch();
10     //get the character value and stores in variable
11     //It wont show the value we enter
12     //accepts only one character and terminated by without pressing ENTER
13     printf("a=%c\n",a);
14     printf("a=%d\n",a);
15 }
16 //Mainly used for security purpose to not show the entering values
17 //getch() holds the screen
18
```

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Enter the character:

a=A

a=65

Process returned 0 (0x0) execution time : 1.488 s

Press any key to continue.

CODE 3:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <conio.h>
4  /* 2 UNFORMATTED INPUT FUCTION */
5  int main()
6  {
7      char a;
8      printf("Enter the character:\n");
9      a=getch();
10     //get the character value and stores in variable
11     //It wont show the value we enter
12     //accepts only one character and terminated by without pressing ENTER
13
14     //Mainly used for security purpose to not show the entering values
15     //printf("a=%c\n",a);
16     //printf("a=%d\n",a);
17 }
18 //getch() also holds the screen
```

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Enter the character:

Process returned 0 (0x0) execution time : 1.520 s

Press any key to continue.

CODE 4:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  /* 3 UNFORMATTED INPUT FUNCTION */
4  int main()
5  {
6      char a;
7      printf("Enter the character:\n");
8      a=getche();
9      //It encodes the character that is it will print the value in screen
10     // Also accepts only one character without pressing ENTER terminates
11     printf("%c\n",a);
12     printf("%d\n",a);
13 }
14
```

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Enter the character:

AA

65

Process returned 0 (0x0) execution time : 1.922 s

Press any key to continue.

CODE 5:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  /* 3 UNFORMATTED INPUT FUNCTION */
4  int main()
5  {
6      char a;
7      printf("Enter the character:\n");
8      a=getche();
9      //It encodes the character that is it will print the value in screen
10     // Also accepts only one character without pressing ENTER terminates
11     printf("\n |a=%c\n",a);
12     printf("%d\n",a);
13 }
14
```

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Enter the character:

A

a=A

65

Process returned 0 (0x0) execution time : 1.703 s

Press any key to continue.

CODE 6:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  /* 4 UNFORMATTED INPUT FUNCTION */
4  int main()
5  {
6  char string[20]; // array size should not be blank
7  printf("Enter the string of characters:\n");
8  //scanf("%s",&string); // Formatted Input
9  gets(string); //This is correct way to get string//string=gets();->Error
10 printf("string=%s",string);
11 }
12
```

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Enter the string of characters:

Hello World

string=Hello World

Process returned 0 (0x0) execution time : 38.392 s

Press any key to continue.

