FAVOREDONLINE SKILLS ACQUISITION NETWORK https://favoredonline.com

INPUT AND OUTPUT IN C

Format Specifier

Format specifier is used during input and output. It is a way to tell the compiler what type of data is in a variable during taking input using scanf() or printing using printf().

Data Type	Format Specifier
int	%d
char	%с
float	%f
double	%lf
Short int	%hd
Unsigned int	%u
Long int	%li
Long long int	%lli
Unsigned long int	%lu
Unsigned long long int	%llu
Signed character	%с
Unsigned character	%с
Long double	%If

Output In C

In C programming, printf() is one of the main output function that sends formatted output to the screen.

<mark>Syntax</mark>

printf("Tech4Ladies");

Example

- #include <stdio.h>
- int main()
- ***** {
- printf("Tech4Ladies");
- return 0;
- ***** }

Explanation



FAVOREDONLINE SKILLS ACQUISITION NETWORK https://favoredonline.com

- All C programs must contain the main() function. The compiler start to execute your code from the main() function.
- The printf() is a library function to send formatted output to the screen. The function prints the string inside quotations.
- To use printf() in our program, we need to include stdio.h header file using the #include <stdio.h> statement.
- ❖ We use %d format specifier to print int types. , the %d inside the quotations will be replaced by the value of tech4ladies in example 2 below
- The return 0; statement inside the main() function is the "Exit status" of the program. It's optional.

Example 2

```
#include <stdio.h>
int main()
{
  int tech4ladies = 5;
  printf("Number = %d", tech4ladies);
  return 0;
}
```

Input In C

In C programming, scanf() is one of the commonly used function to take input from the user. The scanf() function reads formatted input from the standard input such as keyboards.

Example

```
*
         #include <stdio.h>
*
           int main()
*
*
           char Ladies;
*
           printf("Enter a character: ");
*
           scanf("%c",&Ladies);
**
           printf("You entered %c.", Ladies);
           return 0;
**
           }
```