Experiment no : 2

Experiment name : Importance of escape sequence in c program.

Theory :

Many programming languages support a concept called Escape Sequence. When a character is preceded by a backslash (\), it is called an escape sequence and it has a special meaning to the compiler. For example, \n in the following statement is a valid character and it is called a new line character −

```
char ch = '\n';
```

Here, character n has been preceded by a backslash (\), it has special meaning which is a new line but keep in mind that backslash (\) has special meaning with a few characters only. The following statement will not convey any meaning in C programming and it will be assumed as an invalid statement −

```
char ch = '\1';
```

The following table lists the escape sequences available in C programming language −

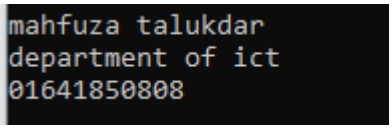
Sr.No	Escape Sequence & Description
1	**\t** Inserts a tab in the text at this point.
2	**\b** Inserts a backspace in the text at this point.
3	**\n** Inserts a newline in the text at this point.
4	**\r** Inserts a carriage return in the text at this point.
5	**\f** Inserts a form feed in the text at this point.
6	**\’** Inserts a single quote character in the text at this point.
7	**\”** Inserts a double quote character in the text at this point.

Sr.No	Escape Sequence & Description
8	\\ Inserts a backslash character in the text at this point.

Corresponding code :

```
#include<stdio.h>

int main()

{

   printf("\nmahfuza talukdar\n");//using escape sequence

   printf("department of ict\n");

   printf("01641850808");

   getch();

}
```

output :



Discussion:

From this lab we learn that importance of escape sequence in c program. In future we implement escape sequence in c program easily.