BACK SLASH / ESCAPE SEQUENCE CHARACTERS

They started with back slash [\ ].

They used to format the outputs.

They participated in program execution but not displayed in output. Hence they are also called **escape sequence characters**.

Each back slash character=**1 byte i.e. one character.**

BACK SLASH CHARACTER	DESCRIPTION
\a	Alert [beep sound]
\b	Back space
\n	New line character
\t	Tab space
\r	Carriage return[beginning of line]
\f	Form feed ♀
\v	Vertical tab ♂
\0	Null char
\\	\ [invalid]
\k	k [invalid]

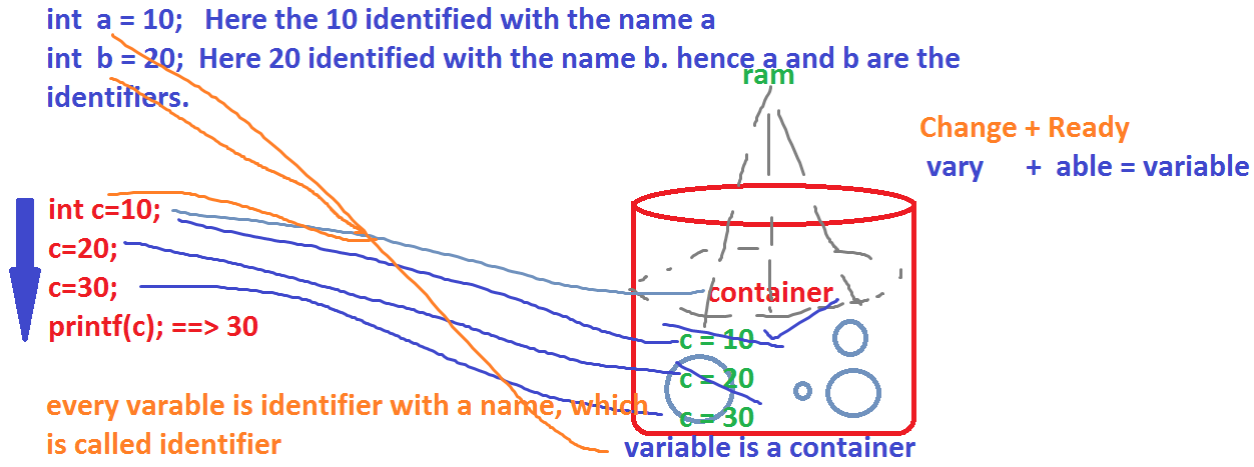
C – TOKENS

The smallest individual words we are using in developing a c program are called tokens of c language. They are of different types.

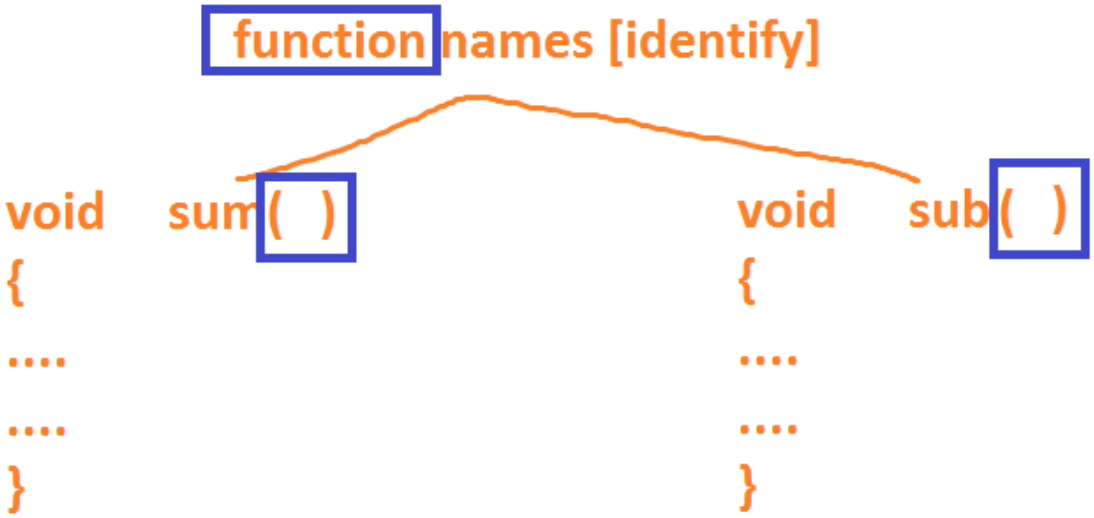
1. **Keywords: The system predefined / reserved words are called keywords. Each keyword is having a certain meaning and as a user we can't change this meaning. C comes with 32 keywords.**
   Eg: auto, break, char, continue, const, case, do, double, default, else, enum, extern, for, float, goto, int, long, while, switch, union, typedef, register,…..
2. **Identifiers: Names of variables, functions, files, array, pointer etc.**

Example for variables:

a=10, b=20;



Example for functions:



Example for files:

a.c, b.cpp, c.java,..

Example for array:

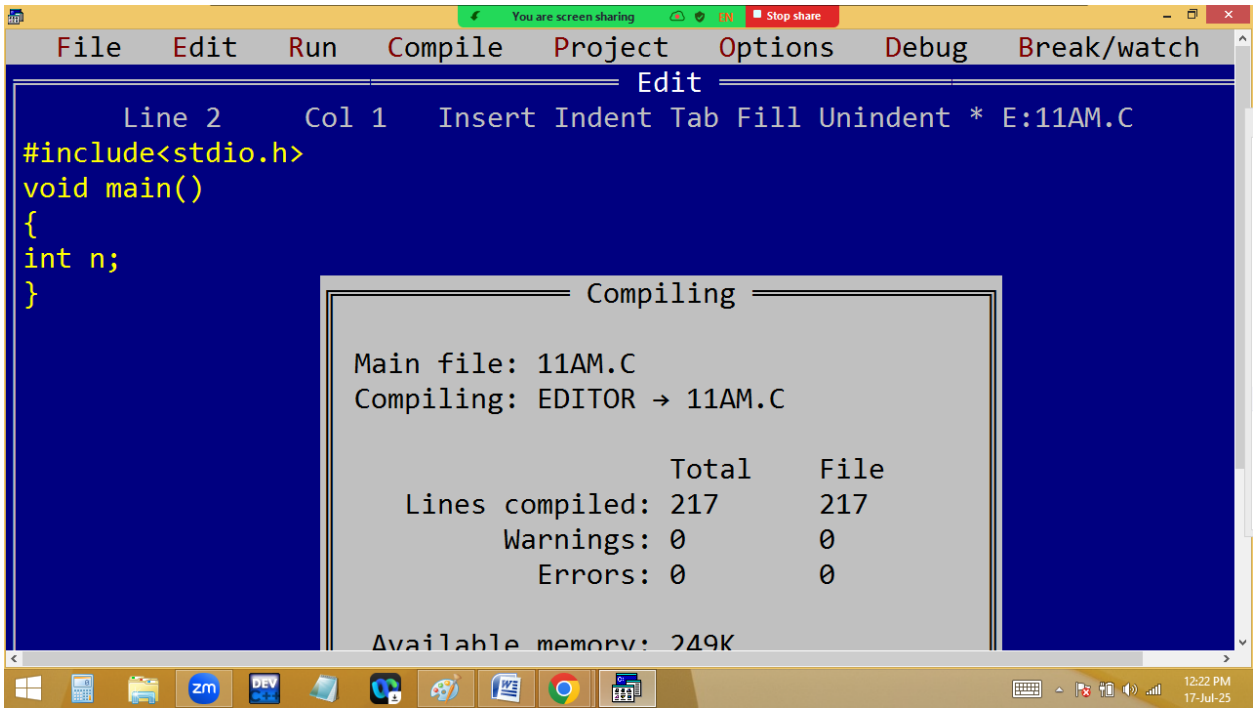
Int a[10]; ← array variable name

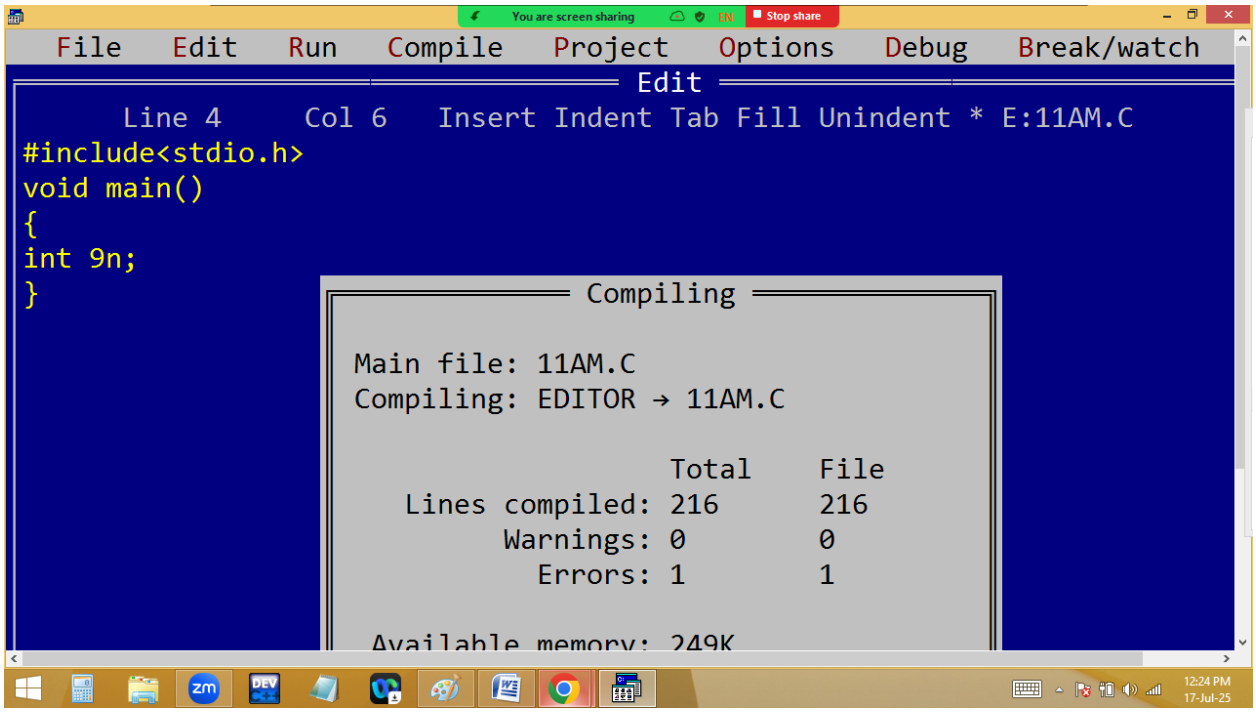
Example for pointer:

Int * a; ← pointer variable name

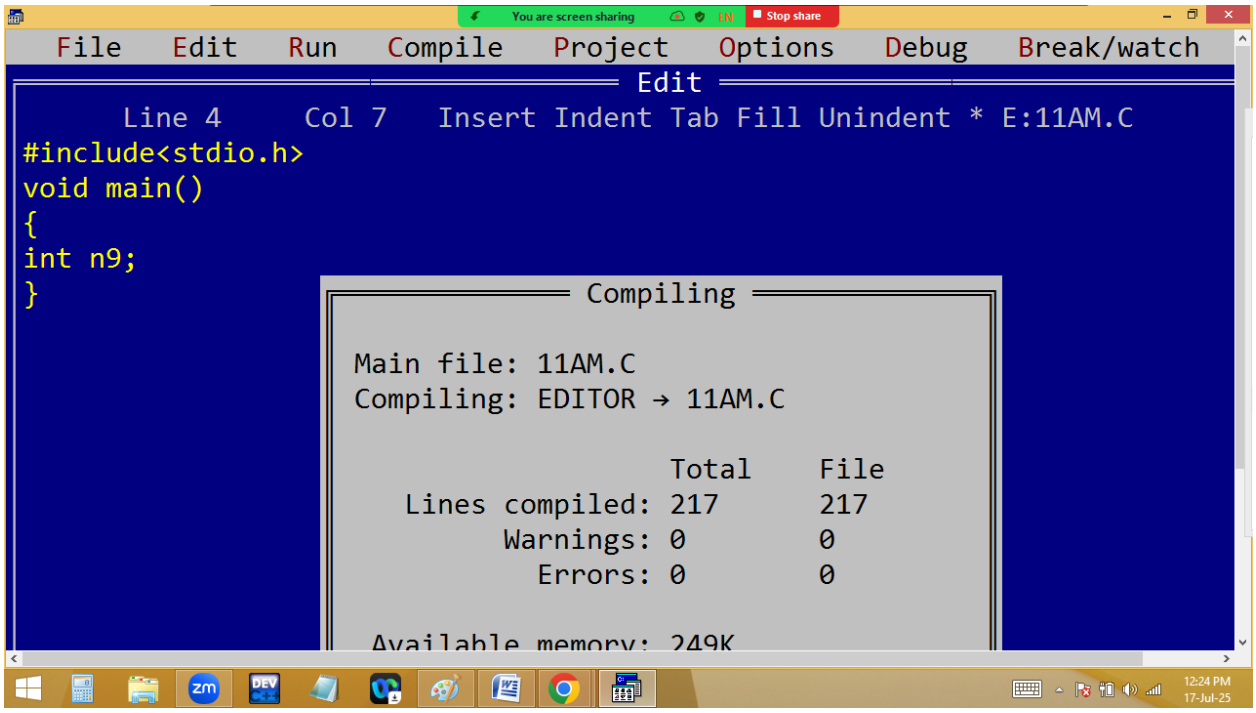
Naming conventions [rules]:

1. **Name should have to start with alphabet or underscore only.**

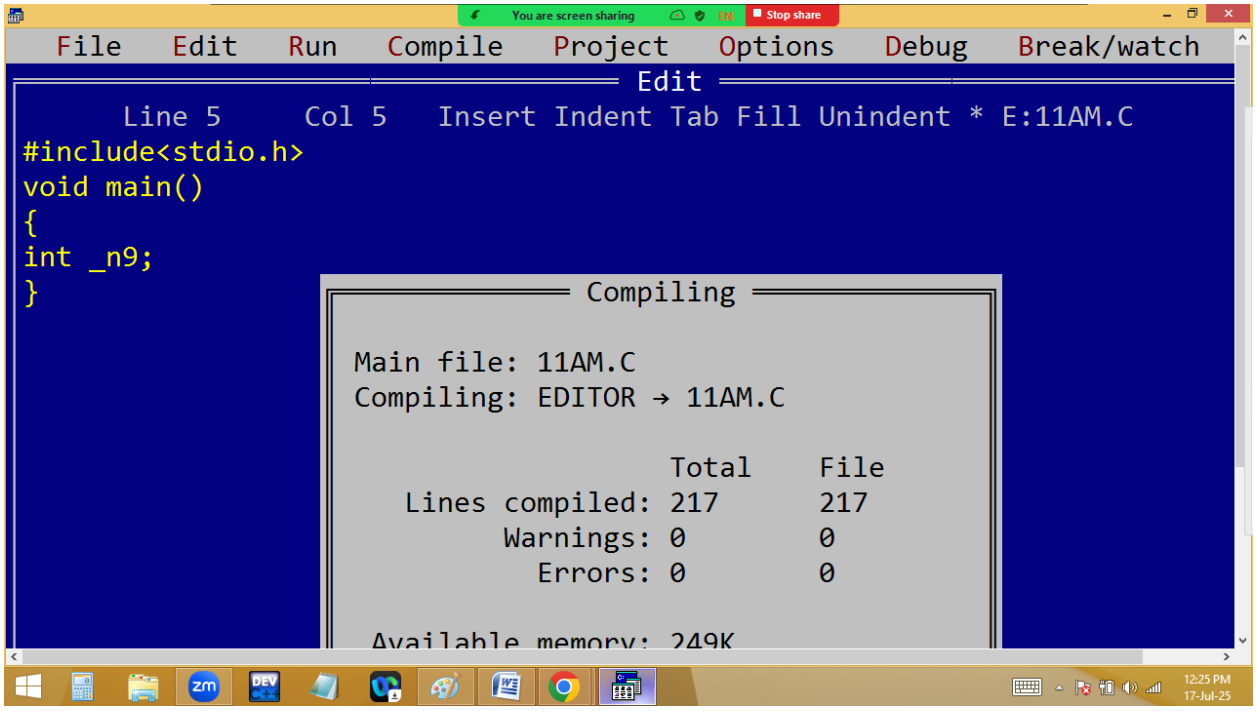


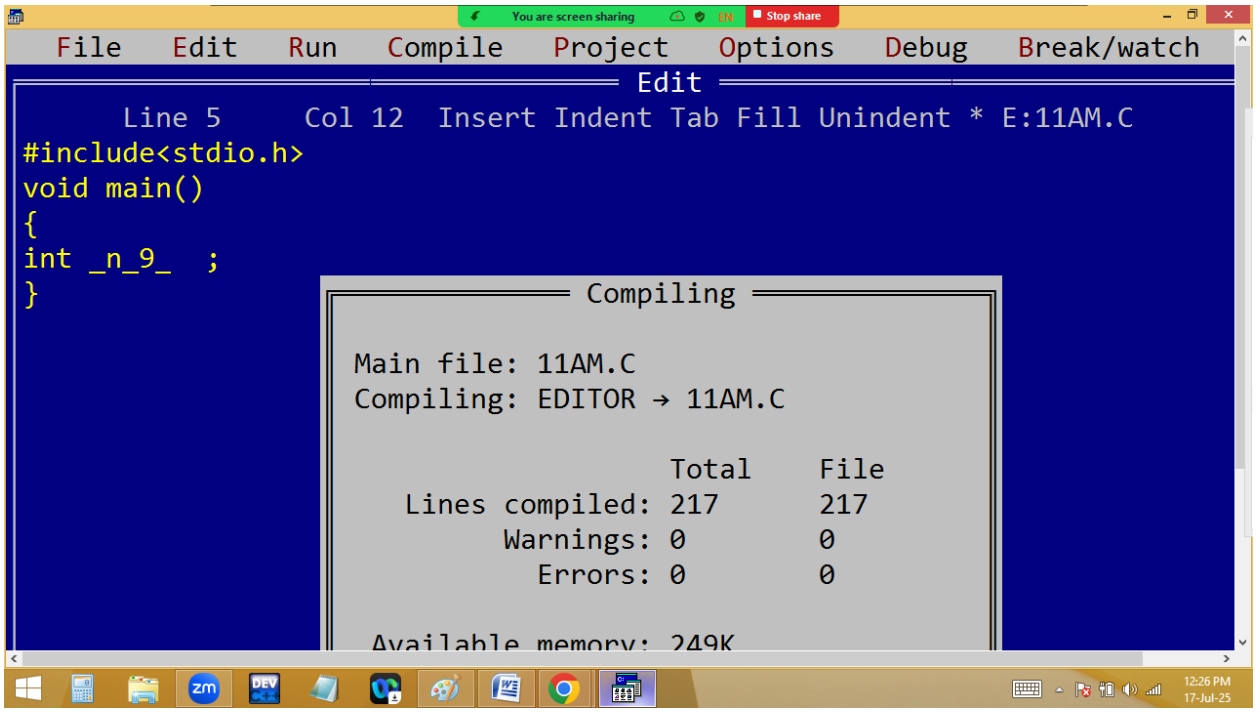


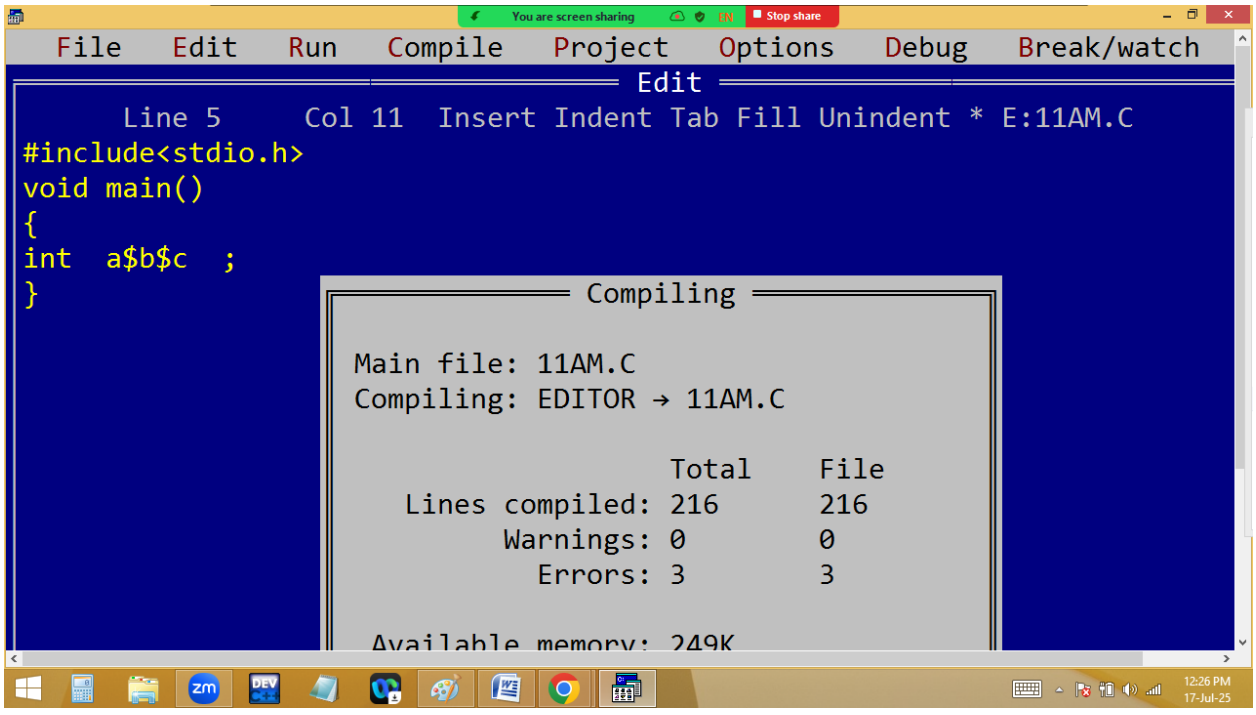
2. Numbers allowed but not at first position.



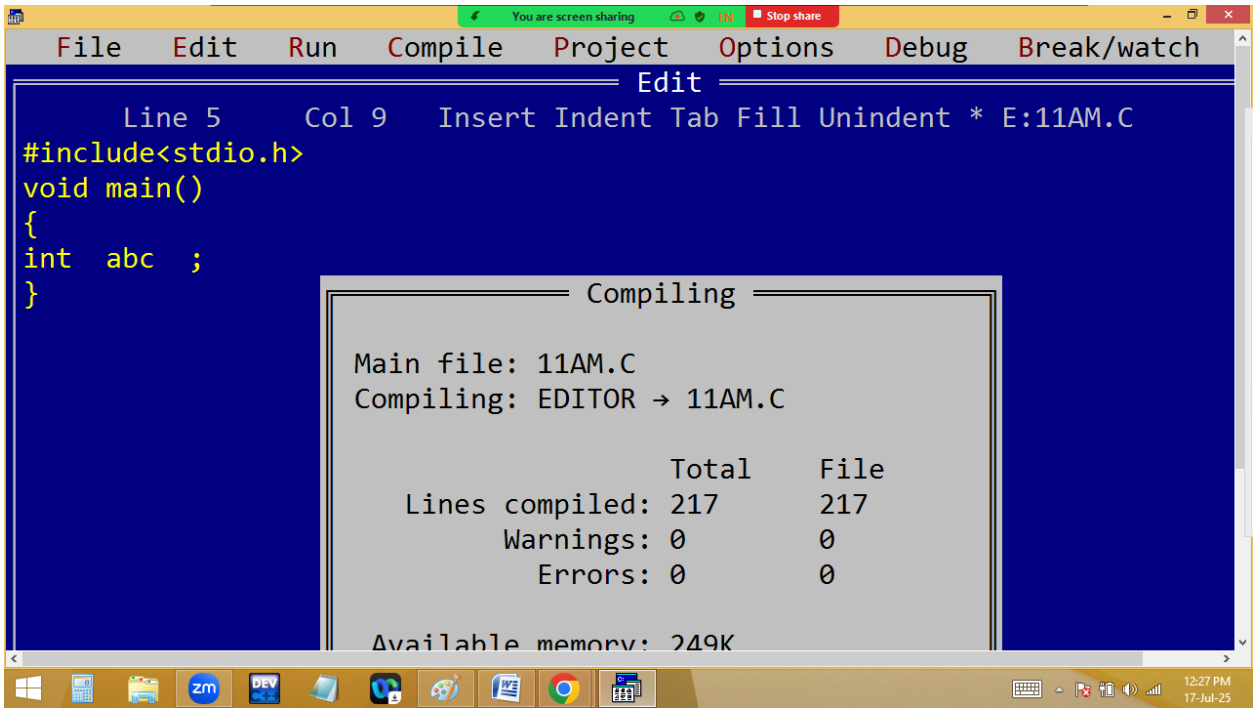
3. No special char except underscore [_]

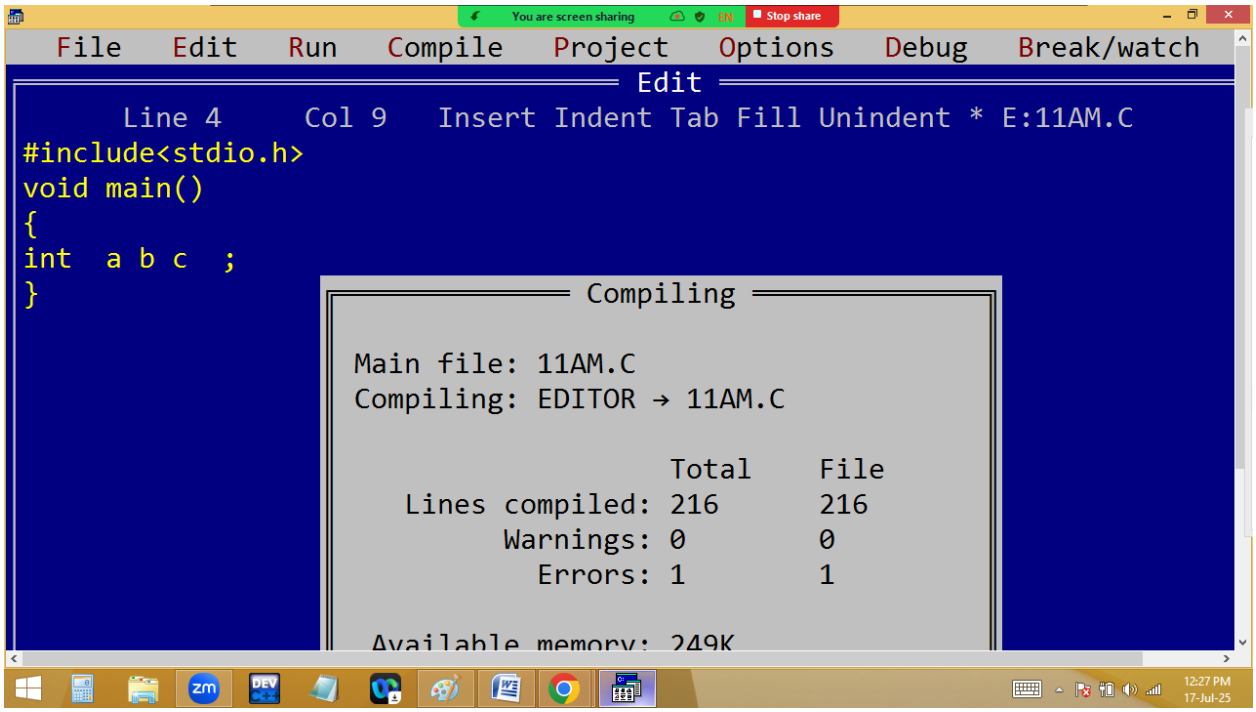




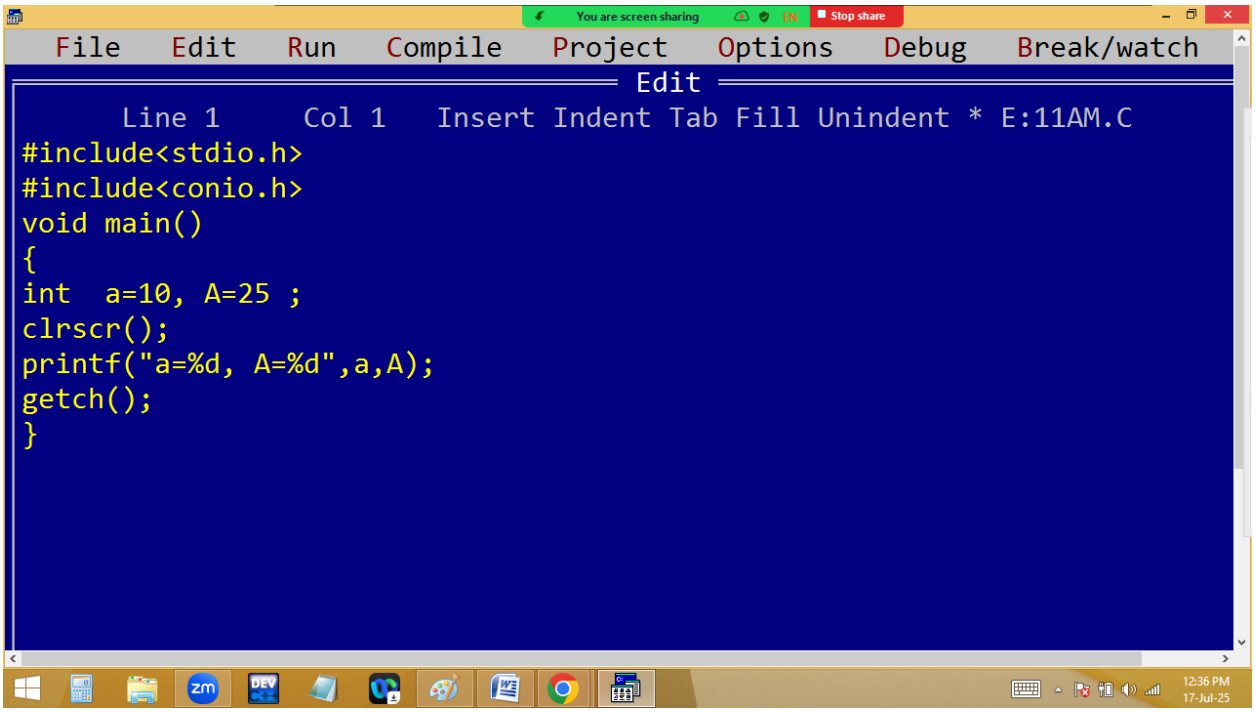


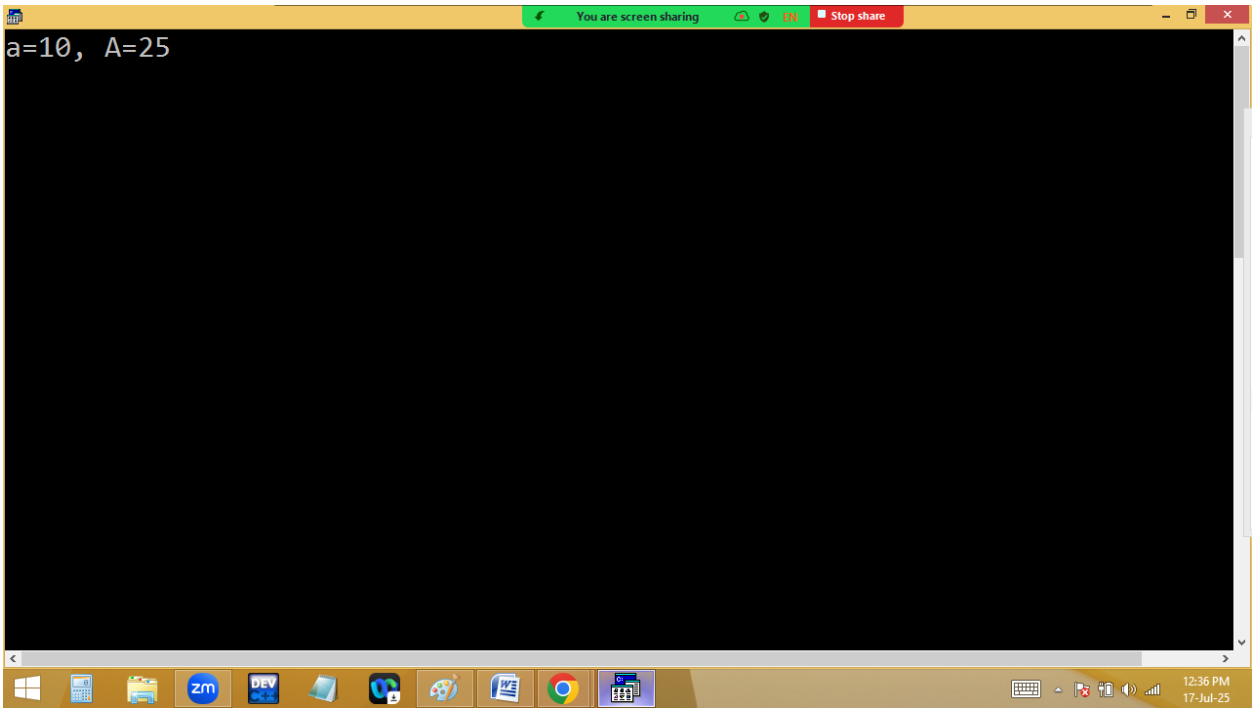
4. Spaces are not allowed.



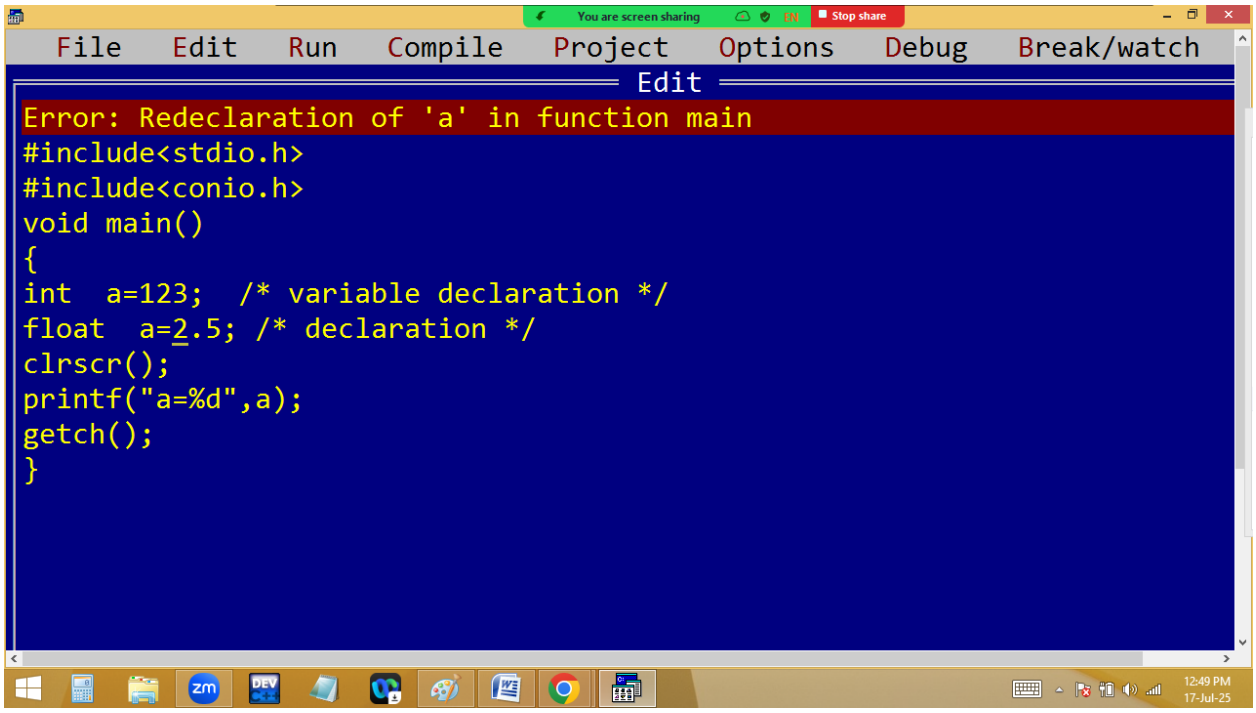


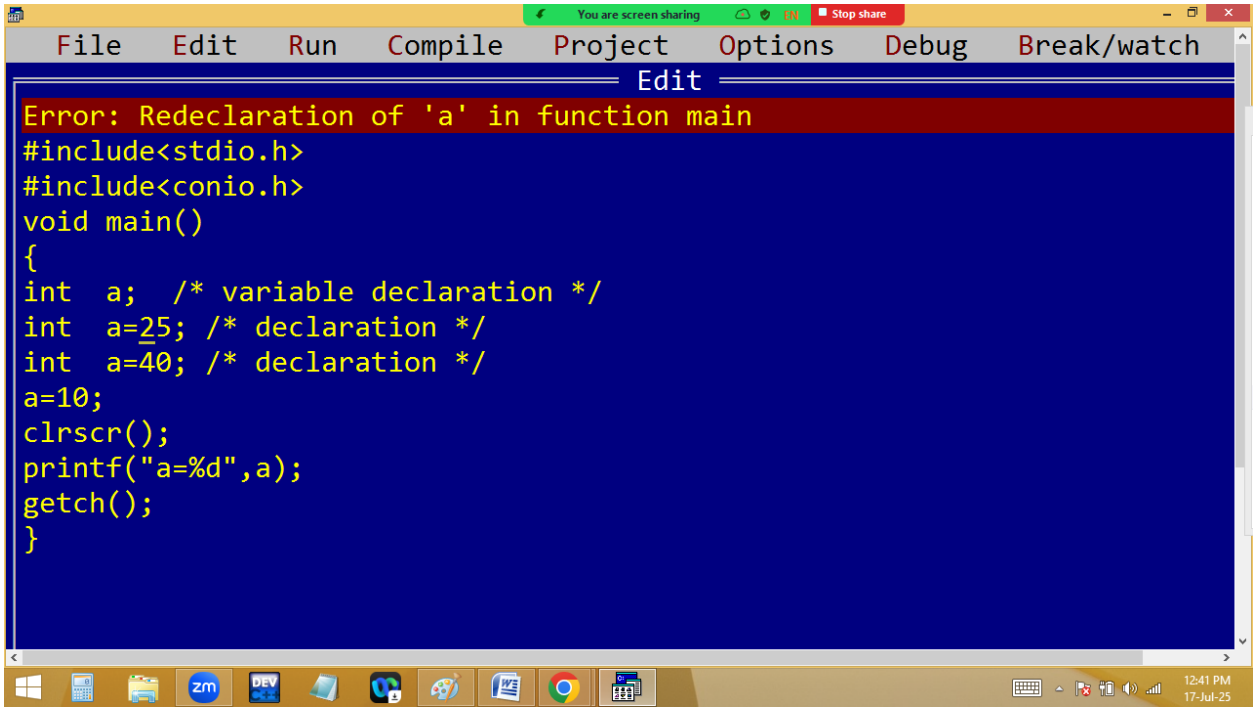
5. **Identifiers are case sensitive i.e. lower and upper are different.**

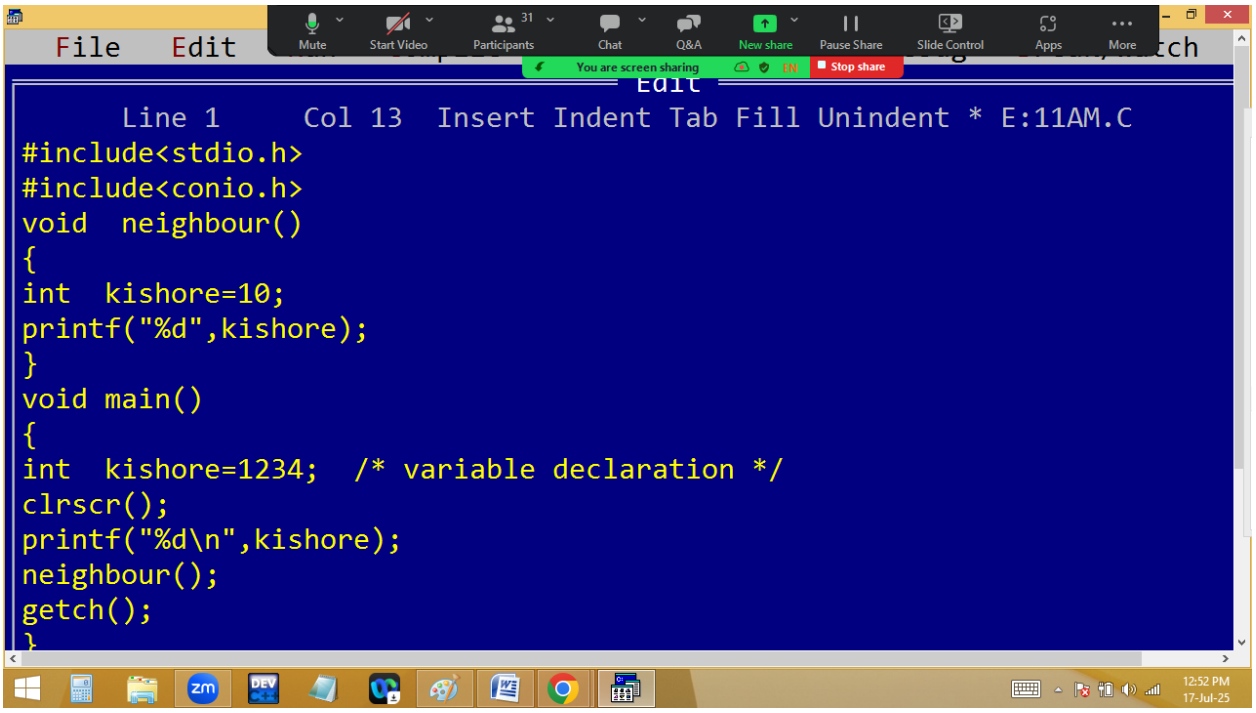


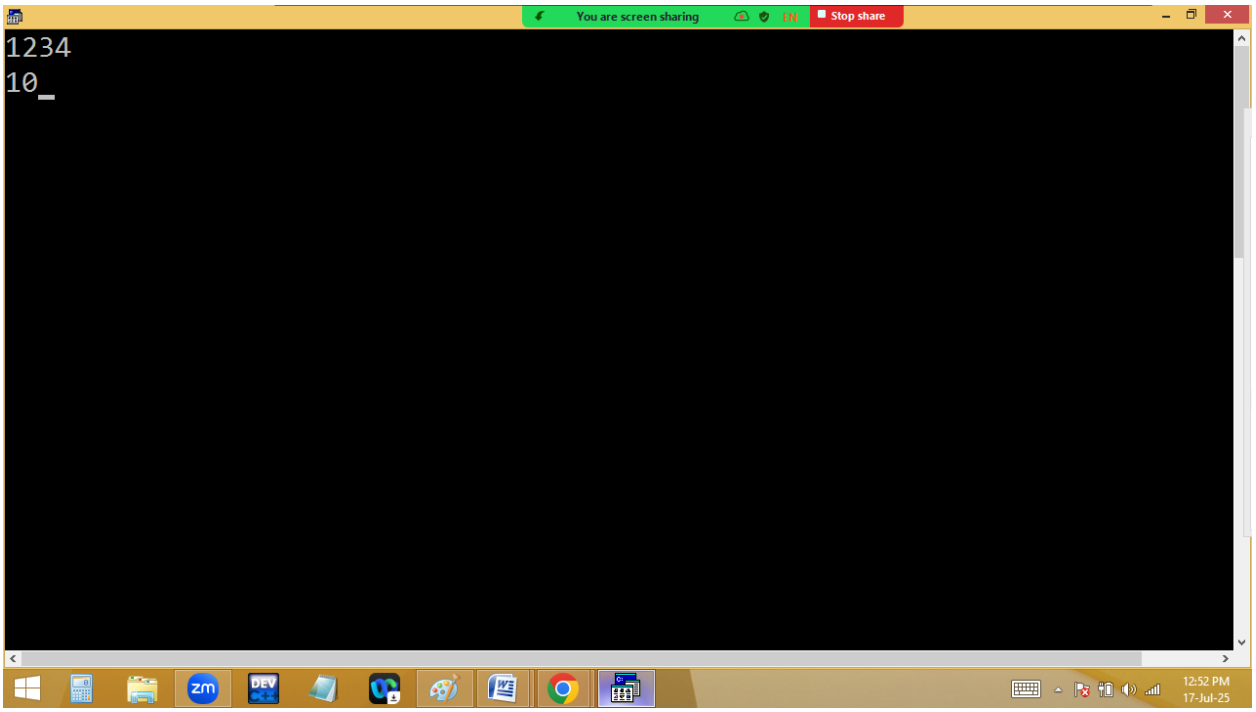


6. Duplicate Identifiers are not allowed in same function or block { }


You are screen sharing
Stop share
File Edit Run Compile Project Options Debug Break/watch
Edit
Error: Redeclaration of 'a' in function main
#include<stdio.h>
#include<conio.h>
void main()
{
int a=123; /* variable declaration */
float a=2.5; /* declaration */
clrscr();
printf("a=%d",a);
getch();
}
12:49 PM
17-Jul-25


You are screen sharing
Stop share
File Edit Run Compile Project Options Debug Break/watch
Edit
Error: Redeclaration of 'a' in function main
#include<stdio.h>
#include<conio.h>
void main()
{
int a; /* variable declaration */
int a=25; /* declaration */
int a=40; /* declaration */
a=10;
clrscr();
printf("a=%d",a);
getch();
}
12:41 PM
17-Jul-25


File Edit
Mute Start Video Participants Chat Q&A New share Pause Share Slide Control Apps More
You are screen sharing Stop share
Edit
Line 1 Col 13 Insert Indent Tab Fill Unindent * E:11AM.C
#include<stdio.h>
#include<conio.h>
void neighbour()
{
int kishore=10;
printf("%d",kishore);
}
void main()
{
int kishore=1234; /* variable declaration */
clrscr();
printf("%d\n",kishore);
neighbour();
getch();
}
12:52 PM
17-Jul-25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1234
10
12:52 PM
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