Scope of a local variable:

Local variables can function only inside the function or block of code.

eg:

#include <stdio.h>

int main()

{

printf("Local Variable\n");

int a = 10, b = 10, c;

c = a + b;

printf("a=%d, b=%d, c=%d\n\n", a, b, c);

}

Scope of a global variable:

Global variables can function throughout the program. Value of global variable doesnt change

eg:

#include <stdio.h>

int g; //global variable

int main()

{

printf("Global Variable\n");

int a = 10, b = 10;

g = a + b;

printf("a=%d, b=%d, g=%d\n\n", a, b, g);

}

Scope of a static variable:

static variables can function throughout the program

eg:

#include <stdio.h>

int main()

{

printf("Static Variable\n");

int a = 10, b = 10;

static int c;

c = a + b;

printf("a=%d, b=%d, c=%d\n\n", a, b, c);

}