```
(ii).Static/Global variables
(iii).Stack
(iv).Heap
```

```
automatic variable.
available
variable.
declared somewhere else.
```

- ~Scope: Local to the variable they are defined in
- ~Default Initial Value:0
- \sim Lifetime: They are available throughout the lifetime of the program.
- ~A static variable remains under existence for use within the function for entire program run.
- ~'static int num' written inside any function will tell compiler that num is a static variable.
- ~It is recommended to minimize the use of unnecessary static variables in a program.
- 4.Register Variables(Register Storage Class):
- ~Scope: Local to the function they are declared in.
- ~Default Initial Value: Garbage value
- ~Lifetime: They are available till the end of the function block, in which the variable is defined.
- ~Register variables request the compiler to store the variable in the CPU register

instead of storing in the memory to have faster access.

~Generally this is done for the variables which are being used frequently.

```
#include <stdio.h>
#include "Functions.c"

extern int a;
int num;
int main()
{
  printf("%d",a);
  return 0;
}
```