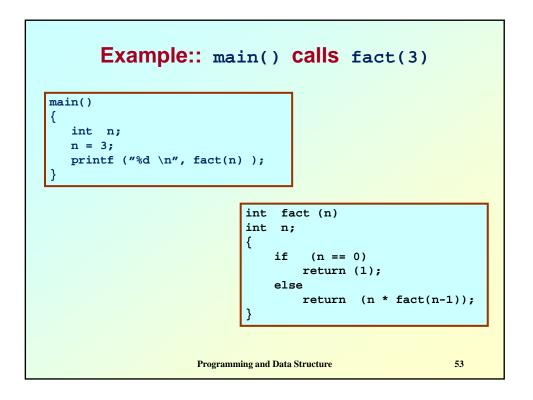
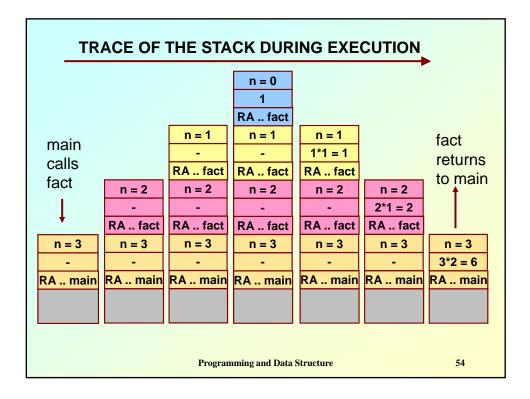
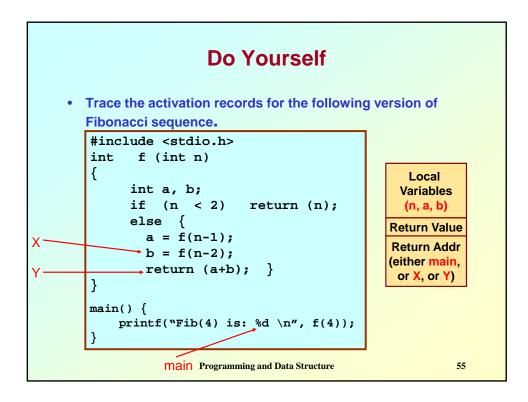
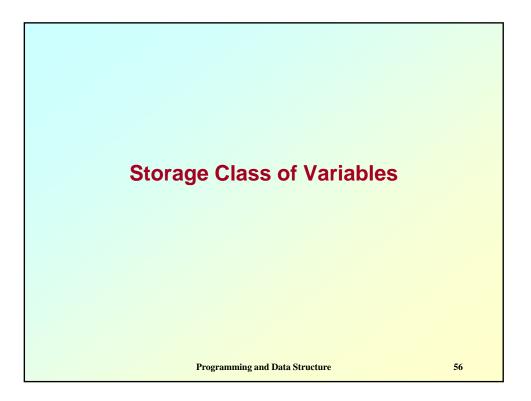


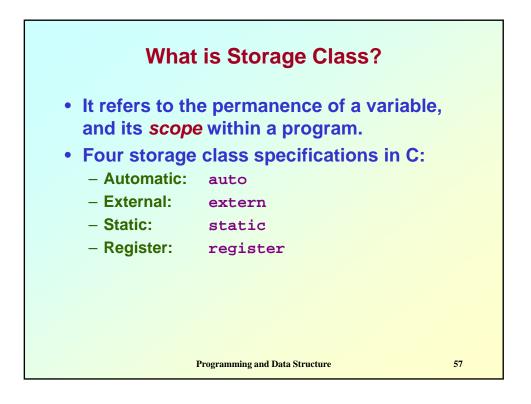
1

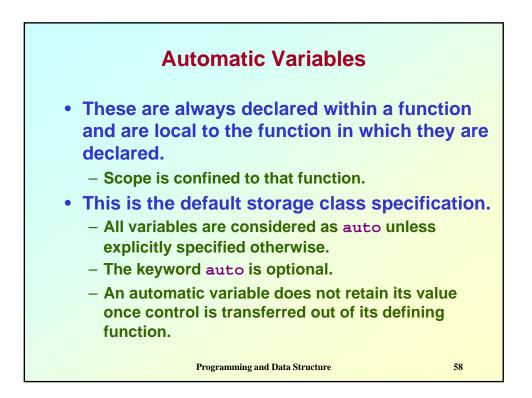




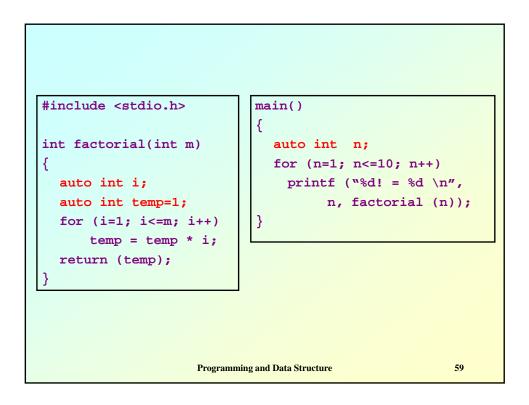


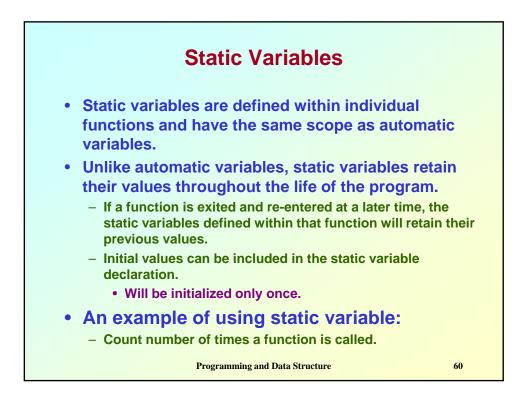






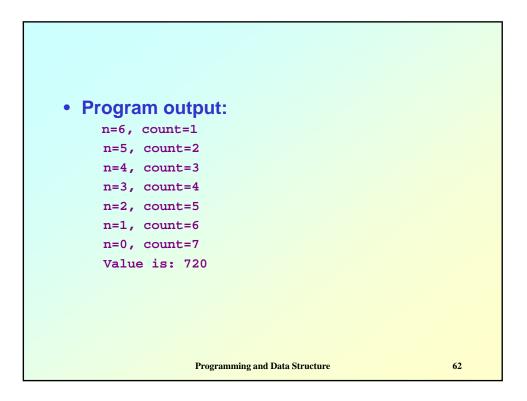
4





5

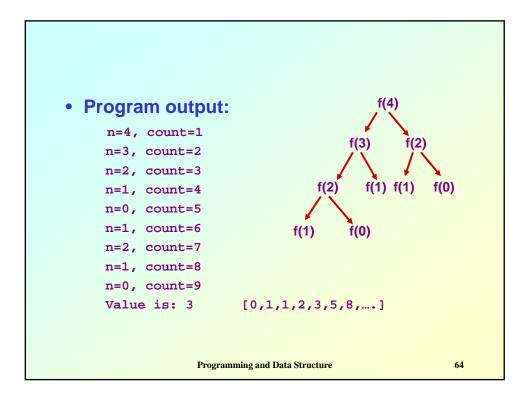
```
EXAMPLE 1
        #include <stdio.h>
        int factorial (int n)
        {
           static int count=0;
          count++;
          printf ("n=%d, count=%d \n", n, count);
          if (n == 0) return 1;
          else return (n * factorial(n-1));
        main()
         {
            int i=6;
            printf ("Value is: %d \n", factorial(i));
         }
                                                        61
                      Programming and Data Structure
```

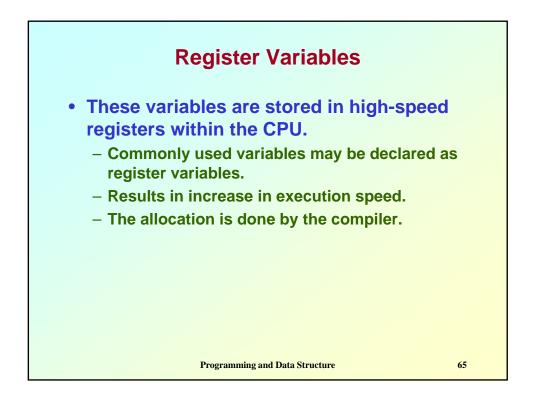


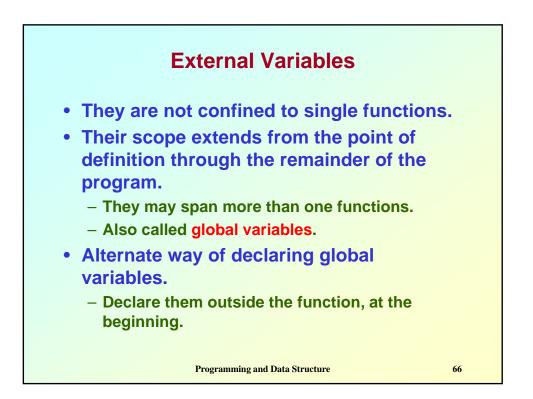
```
EXAMPLE 2

#include <stdio.h>
int fib (int n)
{
    static int count=0;
    count++;
    printf ("n=%d, count=%d \n", n, count);
    if (n < 2) return n;
    else return (fib(n-1) + fib(n-2));
}

main()
{
    int i=4;
    printf ("Value is: %d \n", fib(i));
}</pre>
```







```
#include <stdio.h>
int count=0; /** GLOBAL VARIABLE **/
int factorial (int n)
{
 count++;
 printf ("n=%d, count=%d \n", n, count);
 if (n == 0) return 1;
 else return (n * factorial(n-1));
}
main() {
   int i=6;
   printf ("Value is: %d \n", factorial(i));
   printf ("Count is: %d \n", count);
}
                                               67
             Programming and Data Structure
```