```
File.c
       #include <delta.h>
       #include library.h>
       int a = 5;
       int const one = 1;
       void main()
               int b = 30;
               int c = 75;
               int d;
               int array[1] = \{7\};
               d=a+b+c+one;
               array = new int [10]; //dynamically allocating size
               array[4] = d;
               array[8] = a;
               array[2] = c;
               a = delta(b, c);
               a = a + 15;
               if(a>0)
                      a=1+glob;
               else
                      c = factorial(b);
               for( int f=0; f<4; f=f+1; )
                       a = a+1;
                       d = b + c;
               d = mult(a);
       }
int factorial(int n)
{
       if(n<1)
               return 1;
       else
               return ( n * factorial(n-1) );
}
```

```
delta.h
int glob = 5;  //glob is a global variable
int delta(int a, int b)
{
    if (a < b)
        return (b-a);
    else
        return (a-b);
}

library.h
int mult(int a)
{
    return (a*a)
}</pre>
```