## PROBLEM 5

extern – specifies external linkage. The object or function is actually defined in another file. Declarations of variables and functions at file scope are external by default. For example in a file called test.c there is an int x = 10; within the main () function, x can be redeclared using extern int x. The extern keyword can be left out in this case, as it is implied that x is external.

const - specifies that an object cannot be modified after it is defined. An example of a const is
the number of days in a year, it will never change, and should therefore never be modified.
const int year = 365;

register – tells the compiler that the object will be used very frequently and should be kept in a processor register if possible.

this code will output the values: 0,2,3,4 (it will skip 1)