DOKUZ EYLUL UNIVERCITY

Faculty of Engineering

Electrical and Electronics Engineering

**EED 1005 Introduction to Programming Laboratoary#7**

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**Preliminary Work:**

**TASK 1:**

A function that calls itself either directly or indirectly is a(n) **recursive** function.

- A non-static variable defined outside any block or function is a(n) **global**  variable.

- The **rand** function is used to produce random numbers.

- For a local variable in a function to retain its value between calls to the function, it must be declared with the **static**  storage-class specifier.

**TASK 2:**

**a)** int g(void ) \\ 2 function cannot be nested

{

printf( "Inside function g\n ");

}

int h(void)

{

printf("Inside function h\n");

}

**b)** int sum( int x, int y)\\ The result is not saved

{

int result;

result=x+y;

return result;

}

**c)** int sum ( int n )

{

int result ;

if (n==0 )

{

return 0;

}

else {

result= n+sum(n-1);

return result;

}

}

**d)** void f( float a)\\ a is defined two times

{

printf("%f",a);

}

**e)** void product(void)\\void is not recycled function

{

int a , b , c , result;

printf("Enter three integers : ");\\ Put semicolon after printf

scanf("%d%d%d",&a,&b,&c);

result =a\*b\*c;

printf("Result is %d",result);

}