**DC ASSIGNMENT –FILL IN THE BLANKS CODE**

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filename: factorial.h

struct factorial\_in

{

long int arg1;

};

struct factorial\_out

{

long int res1;

};

--------------------------------------------------------------------

program FACT\_PROG{

version FACT\_VERS{

factorial\_out FACTORIALPROC(factorial\_in) = 1; [0.5+0.5 = 1 mark]

}=1;

}=0x13451111;

--------------------------------------------------------------------

filename: client.c (i.e the client program)

#include<stdlib.h>

#include<stdio.h>

#include" factorial.h" [0.5 mark]

int main (int argc, char \*\*argv)

{

CLIENT \*cl;

factorial\_in in;

factorial\_out \*out;

if (argc != 3) {

printf("client <localhost> <integer>");

exit (1);

}

cl = clnt\_create (argv[1], FACT\_PROG, FACT\_VERS,"tcp"); [0.5 mark]

in.arg1 = atol(argv [2]);

if ((out=factorialproc\_1(&in,cl))==NULL) [ 1 mark]

{

printf("Error\n");

exit(1);

}

printf("Result %ld\n", out->resl); [1 mark]

exit(0);

}

-------------------------------------------------------------

filename: server.c (server file)

#include " factorial.h " [0.5 mark]

#include <stdio.h>

factorial\_out \*factorialproc\_1\_svc (factorial\_in \*inp, struct svc\_req \*rqstp) [1 mark]

{

static factorial\_out outp; [0.5 mark]

int i;

i = inp-> arg1; [0.5 mark]

outp.res1 = 1;

while(i !=0)

{

outp.res1 = outp.res1\*i; [1 mark]

i--;

}

return (&outp); [0.5 mark]

}