	Date
Expt. No.	Page No.
Implement a client an communication using & Stroes # include < Sust tuber h	ockets programming
# include < sys / types.h> # include < sys / socket. h> # include < netinet / in.h? # include < sys / stat.h? # include < sys / stat.h?	
#include < stalib, h 7 #include < stalio. h 7 #include < fontl. h 7 #include < arps/inet. h 7	
roid str_loro (int confd int n, bufsize = 1024 orar x buff = malloc(1	
again: while ((n=reov(com send (confd, but if (n < 0) goto again;	
gree (buff); int main()	

Teacher's Signature _

No	Date
. 1 1-1	Page No.
int listenfd, connfd struct sociaddr in add	bress, cli oddress;
if ((lesterfd = societ (AE frintf ("Societ orea	INET, SOCK_STREAM, 0)/70)
address. sin_family = AF address. sin_addr. s-add address. sin_port = htor	L = INADDR-ANY; W(15001);
If (loind (listenfed, (strue printl("Binding so	d sociadde *) Laddress, sizeof(address))==0) clet(n"),
lesten (listenfa, 3);	
for (;;)	
addrlen = size of (struct	socialdrin);
connfd = accept (listent	d, (struct sociadde *) & ddress, laddrlen);
if ((frid = for2()) ==0)	
2 1 1 1 - + - 1 1	ito robot 11.

printfl "Binding societ lesten (listenfa, 3). addrlen = size of (struct soc connfd = accept (listenfd, (if ((frid = for ()) = = 0) close (listenfd); strecho (conn close (sonnfd); return o;

Teacher's Signature

Expt. No.

	Date
pt. No	Page No
Client	
# include < sys/ societ. In	
# include < sys/ types.h>	
# include < unista.h>	
# include netinet ling ho	
# include statele &s	
# include < etdia ha	
Hindude <arpa inet.h.<="" td=""><td>,</td></arpa>	,
word stroli(FILE *fd	, int soce(d)
2	
int bufsize = 1024; cros * buff = mallo	. 1 1
cros * buff = mallo	c (loufoise);
10 1.1 1 to 1 1 1 1 1	i /1 \ 1 - A ((())
while (facts (buff, loup	size, ff.) := NULL)
2001 1 208/1 h//	singel (Coull) 1).
il (2009 (2009)	sixuf (saxx), 0),
send (socifa, buff, if (seco (socifa, buff, fruits (buff std	aut):
2 State (supp second	-0cac),
5	
Bool Poull).	
free (buff);	
int main (int argo,	chae * asart 7)
The Trees of the state of the	

struct sociaddr in address

Teacher's Signature

	Date
Expt. No.	Page No
if (Coreate_socket =	societ (AE INET, SOCK-STREAM, 0)
gourge societ.	created (n");
address sin familiaddress sin port inet-pton (AE INET	y = AE INET; = Itons (15001); , ago[1], loddiess. sin_adds);
if (connect (create so frint/1" Connecti	cret, (struct socraddr *) eoddress, sizeof (address)) = = 0) on was accepted by saver n"/
str-cli(stdin, cre	
return close (sre	ate-soclet); returno;

Expt. No. 2

write a program to implement distance vector routing protocol for a simple topology of

#include stdio. h>

int A[10][10], n, d[10], f[10];

void Bellman Ford (int 5)

int i, u, vo;

for (i=1; i<n; i+1){
for (u=0; u<n; u+1){
for (v=0; v<n; v+1) {
 if (d[v]>d[u]+ A[u](v]) {
 d(v]=d(u]+ A[u](v];
 }
}

for (u=0; u<n', u++){
for (y=0; u<n', u++){
for (y=0; v<n', v++){
 if (d[v]) d[u] + A[u][v]);
 hrint("Negative Edge");

3

	Date
Expt. No.	Page No
int main()	
5	
print(" Enter no. o	(edges(n");
Scanf (4-1-d" & m).	
Scanf (4-1-d", & n). printle (4-1-d" Enter ad int i, j.	jacency matrix n"):
ant i, j.	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
for(i=0; i <n; i++<="" td=""><td>)</td></n;>)
for(j=0; j <n; 1)<="" j+="" scan(".(0",="" td=""><td>AC 175:71:</td></n;>	AC 175:71:
ints:	MLAJLYJ),
for(5=0; S <n; s++<="" td=""><td>)</td></n;>)
}	
for (i=0; i <n; i.<="" td=""><td>1+)</td></n;>	1+)
\\ d[i] = 999;	
2 h[i] =-1;	
1503-01	
d[8]=0;	
Bellmantford (s); frint(1 "Router -1. for (i=0; i <n) i+1<="" td=""><td>/ N = N = N</td></n)>	/ N = N = N
pring ("Router -1"	(d \m", s);
$\{u(i!=s)\}$)
\$ i= i'	
while (h[i]	1=-1) { wrint(10-1-d=1, i)
9	j=h[j]; 1
Louit (4.1.d.) + A	ext 1.d. mm " < d [i]
3 3	!=-1) { \ \print((*.1.d< *, j))
returno	
	Teacher's Signature

2	Date
Expt. No3	Page No.
and correction concept Hamming rode	lement Error detection using Oricksum and
thinclude < stdio. h> tent unsigned fields [10]; unsigned short sheeksum ()
for (i = 0; i < 9; i + 4)	info in 16 bit words\n");
scanf (" · 1 ·) & fill scanf (" · 1 ·) & fil sum = sum + (uns while (sum > 7 16)	igned short) fields[i];
3 sum = (sum & OXF	FFF) + (sum >716);
sum = ~ sum	
return (unsigned she	nt) sum;
int main()	
rest = chicksum(); printf ("computed orion	Res 2;
	Teacher's Signature

	Date
Expt. No.	Page No.
ges 2 = crecksum()	
print (" computed "/- x\n", ra	Aldrum at soneives
°/° x(n", sa	12);
if(rest= = res2)	
print (" No wear");	
printf (" Error in d	lata received n")
3	
Wamming A. A. B.	
Hamming Code Brog #include < stalile.h>	ram
#include < stdio.h >	
int main ()	
{	
int a[4], b[4], x[4],	s[4], i, q[3], c[7];
Jornay 1" enter 4 but	dala aford n"1:
for(i=3; i>=0; i)	scanf (4. j.d., Latil);
x[0]=(a[3]+a[1]+ x[1]=(a[0]+a[2]+	a[3]) 1-2:
8 [2] = (a[1] + a[2]+	a[3])-1.2.
print("Enter 7 bit.	hamming code word:\n"
for (i=3;i>=0;i	a[3])-1.2; hamming rode word:\n")) frint(("-1.d \t",r[i]);
printl [" Enter 7 bit &	eccived code word:\nu);
for (i=7; i70; i b[3] = c[1]; b[2] b[0] = c[4]; r[2]	= c[6]; b[1]=c[5]; = c[3]; r[1]=c[2];
	Teacher's Signature

Expt. No
Page No.
r[0] = c[1]. // caclulate syndrome loits
1 suraria signarome loits
$5[0] = (b[0] + b[1] + b[3] + x[0]) \cdot 1 \cdot 2;$ $5[1] = (b[0] + b[2] + b[3] + x[1]) \cdot 1 \cdot 2;$ $5[2] = (b[1] + b[2] + b[3] + x[2]) \cdot 1 \cdot 2;$
5[2] = (b[0] + b[2] + b[3] + 2[1]) 0/02;
b[1] + b[2] + b[3] + x[2]) 0/02;
printf(" \n Syndrome is:\n");
for (i=2; i>=0; i) print((".1.d", 5[i]);
if ((5[2]==0) & 4 (5[1] ==0) & 4 (5[0]==0))
if ((5[2]==0) & & (5[1] ==0) & (5[0]==0)) frint (" Received word is Error Free (n1);
of (S[2]==1) 21 (S[1]==1) 24 (S[0]==1))
print(1" Gror in received codeword, position -7th bit from right \n"); if (([7] = = 0) ([7] = 1;
-7th bit from right \n");
$\mathcal{A}(C(1)^{2}) C(1)^{2};$
frint("+d Corrected codeword is \n");
for (i=7; i>0, i)
for (i=7', i>0', i) print(("·1·d\x", c[i]);
if ((5[2]==1) & d(5[1]==1) & & (5[0]==0))
{ printl ("Error in received codeword Position
Teacher's Signature

Expt. No.

6th loit from right \n");

if (C[6] = = 0) c[6]=1; else c[6] = 0 print(" corrected codeword is \n"),

for (i=7; i>0; i-)
prival (4-1.d) 1", c[i]);

4((5[2]==1) &4 (5[1]==0) &4 5[6]==1))

print(1" Error in received codeford. Position 5th loit from right);

else ([5] = 0; printf (" corrected codeword is \n");

for (i=7; i70; i--)
frent("-1.d\t.", ([i]);

if ((S[2]==1) & 4 (S[1]==0) & 4 5[0]==0)

printf ("Error in received codeword Position 4th lit from right");

if (C[4] ==0) C[4]=1;

else C[4]=0; printf ("corrected codeword is \n");

for (i=7; i70; i-)

print("1:d\x", C[i]);

Teacher's Signature __

if ((5[2]==0) && (5[1]==1) && (5[0]==0)

printf ("Error in received codeword.

Position - 2 nd loil from end (n'');

if (c[2]==0) c[2]=1;

else c[2]=0;

printf ("Corrected codeword is \n'');

for (i=7; i>0; i--)

printf ("Id\t", c[i]);

if ((S[2]== 0) &4 (S[1]== 0) &4 (S[0]==1))

{ printf ("Error in received codeword

Position | st bit from end (n))

if (([1]==0) ([1]=1;

else ((1)=0;

frintf (" Corrected codeword is (n");

for (i=7; i70; i--)

return (0);

xpt. No	Date
	Page No.
Implement a simple mult	icast routing medianism
Hindude < sus types h>	
thullial < sust servet h>	
Himolital < netinet (in h)	
Hendlide carpa/inet.h	
Hindude < time.h>	
# include < string. h>	
# include statel. h	
It define HELLO_PORT	12345
# define HELLO-GROUP	4225.0.0.37"
int main (intargo, orar.	Xarque[7)
}	
struct socialdrin add	W.
int fd, cnt;	1 2
struct if mréq mr dras * message = 4 RV	CE-CCTII.
ill (ld = & Acreot (AF 1)	NET, SOCK_DORAM, (1))<0)
f perror (" socret")	escit (1) ?
adde. sin_port = Into	MY (HELLO-PORT)
adde. sin_family= A	EINET
addr. sin_addr. sad	FINET dr=inet_addr(HELLOGROUP)
while (1) §	
if (sendto (fd, message,	sized (message), o, (struct
socialde x) fadds, s	yeo((oddr))<0)
if (sentto (fd, message, socialde x) fadds, s ferror (4 sendto") sleep(1); 3	; exit(1); }
steeper); 3	Teacher's Signature
riturn 0;	

Expt. No.

	Date
Expt. No.	Page No
#include < six/types.h	
# include ses / sacret h	
# include < notinet /in or	
# include asks/inct. h	
# include time. h7	
# include stdio.h>	
# include (stalite.h)	
& struct socialdr in a	dde:
int fd, noytes, addr	lon:
struct ip mreg me	hen
orar moglouf [25]	<i>-4</i>)
aind yes=1;	
if (Cfd = societ(AEIN	ET, SOCK_DGRAM, 0))<0); escit(1); }
{ perror (4 societ")	; escit(1);]
111 . +	
4 (susockopit (fd, 5)	OL-SOCKEI, SO-REUSE ADD
Lyw, sweet (ges))<0)
{ gurror (* leusin	OL_SOCKET, SO-REUSE ADD) < 0) g ADDR failed"); uxit(1)
adde sin adde s ad	d8 = htane (INIADDE ANY)
alle sin host = ht	AEINET dr= Intone (INADDRANY) ons (25);
agg. sor your our	0100 (257)
Il brind H. extruc	t socradds x) Laddy sizelf (
adde) (0)	
addr)) <0) { perror (a bind"): exit(1); }
700000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Teacher's Signature

	Date
Expt. No.	Page No
if (setsoclopt (fd, -	ti addr. S. addr = inet addr (255.0.03) ci. s. addr = htonl(INADDR ANY); ITROTO_IP, TP_ADD_MEMBERSHIP (morg))<0) solopin); escit(1); }
\$	
if (noytes = 0, (struct)	of (addr); secofrom (fd, msgbuf, MsgBUFS12 sociaddrx) tadde, saddelen); vfrom'); exit(1);}
gruts (msglou	
0	
}	
THE RESERVE AND ADDRESS OF THE PARTY OF THE	
	Teacher's Signature

Expt. No. Page No. arite a program to implement concurrent and serves that allows current logged in users to communica # include < sys/ types hz # include sigs/ societ. h> # include sys/ state h> # include < cinistd. h> #include stdio.hz # include stalil. hz # include fonte. > # include < arpa finet. h> # include < netinet (in .h rooid strecto (int ofd, int port) int bufsize= 1024; orar x malloc(loutsize); again:
while ((n=reco(cfd, buf, bufsing, 0))?

{

friend (buf, bufsing, stdin);

sind (cfd, buf, bufsing, o);

? if (n < 0)
goto again;

Expt. No. Page No. __ int main () ofd stouch sociaddr in addr, caddr, if ((listenfd = socket (AF_INET, SOCK STREAM, 0))70 { printf (" socket oreated (n")) addr. sin_fort = htons (15001); addr. sin_family = AF INET; addr. sin_addr. & addr = INIADDR-ANY; if (Abind (listenfl, (struct sockaddr *) &addr, size of (adde)) = = 0)
printf ("Binding Socket"); listen (listenfd, 3); while (1) E addrlen = size of (struct sociaddr_in); cfd = accept (listents, (struct sociaddr x fooddr, & addrlen); if ((pid = fork ()) ==0) close (listents); str-ecro (constd), htons (clisters sun p returno; Teacher's Signature

No.	Date
Expt. No.	Page No.
clint.c	
H 1000011110 1 2 1111	
# include < sys / socket.h.	>
# include < sys / types. h> # include < netinet / in. h	
# include < unistd. h>	
# include < stdlile h-	
# include < stdio. h >	
void starcli (FILE X.	the int sfd)
<	
int loupsize = 1024;	cont;
char x bilf = mai	loc (bufsize);
while (facts (buf, 6	usize, fr)!=NULL)
send (sfd, buf, l if (cont=reco (sfd) { fouts (buf)	outsing (1):
i/ (cont = 8100 (8/d)	lout pulving (1) 201
5 (10,100)	,-04,000,000,000
thuts I but.	stdout).
3 10/000 (100%)	
2 }	
}	
int main (intarge, Are	u * argu [])
5	
int create-socket;	
int create societ; struct socialdrin	address;
	Teacher's Signature

EXPL No.	Date
il (coreate societ = societ) printl' Societ created	Page No.
- societ = societ	(AE INET, SOCK STREAM, O)
printll' Socret created	()20)
address sin famil = 1=	
address sin host = htm	INET;
address sin family = AF address sin food = Intor inet plon (AF INET, aggs il (connect (egeste speet lite	[1], loddiess, sin_addi).
il (connect legeste 1008+1+	1 2 11 2 11
sie de la company de la compan	not sociador *) laddress,
if (connect (coeste societ, (str frint/1" Connection was	accepted by sever n"/;
str-cli (stdin, create-se	Angot).
return close (create-s	oclet); return o;
3	
	1 2 0 0

	Page No.
6 Implementation of concurrent & iterative using both connection and connectionle	
calle book connection and connectionle	SS LANGET SINTER
	- Source region
#tinclude & sys / types. h>	
Theread Still inner	
The structure of the start has	
#include unistd. h>	
#include < stdib. h> #include < stdio. h>	
#include fontl.h>	
Hinclude netinut in h	
# include < arpa/inetsh>	
	int ob
soid strecto (int sockfd, struct socko	iddr* cli_addr
{ int n; int loufsize = 1024;	
1029	
char * buff = malloc (bufsize); int addrlen;	
int addrlen;	
for (; ;)	
5	
addrlen-clen:	1 2 2
n= recogram (sodfd, buff buf	size O.
cli addr, laddr	len);
addren=clen; n=ricrificam (sorted, but but cli addr. laddr.	
sendto (socifd, buff, n, o, cl	i_addr,
2 acourt);	
Teacher's Signature	

Expt. No. Page No. int main() int sockfd; struct sockaddrin servaddr, sle-addr, if ((soolfd = societ (AF_INET, SOCK_DGRAM, 0))70)
printf (4 Societ created n"); sero_adde. sin_family = AF_INET; sero_adde. sin_addr. s_addr = INADDR_ANY; sero_addr. sin_port = htons (16001); if (bind (sockfd, (struct sociador x)lsero-addr, size of (sero-addr)) = = 0)

frint ("Binding societ (n"); streedio (socifd, (struct sociaddr x) & cliaddress, size of (cli_address)); return o; Hindude < sys/types.h> Hindude < sigs/ socret. hz Hundlude netinet (in h) # include arps / int. h7 # indude < unistd.h> #include stioh) # include < staleto. h7 Teacher's Signature __

Expt. No. Page No. soid str_cli (FILE x fp, int sfd, struct socioddr x

serv_addr, int servlen)

int bufs = 1024, cont; var x buff= malloc (bufs);

int addrlin= size ((struct socioddrin); while (facts (buff, bufs, (p)!= NULL) send to (socifd, buff, size of buff), O, I saw adde, if ((cont=recoprom (sockfd, buff, bup, 0, NULL, NULL)>0)) 3 Shuts (buff, stdout); int main (int argo, orar x argo [])
{ int sfd; struct sockadde in sur-address; if (socret = socret (AF INET, SOCK DERAM, 0))>0) sero-addr. sin family = AF INET; serve adds. sin port = Intons (16001); inet_pton(AF_INET, argo[1], wire-oddress. sinadds str_cli(stdin soce (struct soceadarx) &
surv_address, sizeo((serv_address))
exit(0); Teacher's Signature ____

	Date
Expt. No.	Page No
Iterative Server. c	
Hinclude < sys/stat. h>	
# include < netinet fin Ir	
# include < seys/types. h>	
# include < sys socret. h>	
#include < stalib.t	
# include < stdia h>	
# include < unisted h>	
# include < arpapinot. h>	
roord structo (int con	(d)
int n, los = 1024, lan	10
star x buy = malloc((94);
a chia chila (las - 2 12	Cr.
struct sociadde in add again: while (nzreco	r(confa, louf, los, 0) 170)
sera (conf	d, buf, n, 0);
uf(n<0)	
goto again	
3	,
int main()	
\$	
int Ifd, cfd, addu	len,
int Ifd, cfd, addit	rddress;
:10001 2000 -4 (25 12)	TT COOK TO ALL ONLY
if ((lfd = socket (AF_INI print) ("Socket")	=1, SOCK STREAM, U))20)
grong I sovell	orealea (n");
	Teacher's Signature

Expt. No. Page No. address. sin_family - AEINET; address. sin_addr. s addr = INADDRANY; address. sin_port = Intons (15001); if (bind (lfd, (struct sociaddr *) kaddress, print ("Binding Societ (n"); of () lfd listen (lfd, 3); addrlen = size of (struct sockaddr_in); cfd = accept (lfd, (struct sockaddr x) & address, saddrlen); printl (4 connection accepted from client 0/05/n", instatoa (address. sin addr.) strecho (cfd); ? close (sfd); return 0;

Expt. No. Page No. client #include < sys/ socret. Is # include < sys/ types. h> # include < unista. h> # include < netinet /in.h> # include < stdio h7 Hindude <arpa/inet.h> void stroli(FILE xfd, int socefd) int loufsing = 1024; char * louff = malloc(loufsing); while (factor (buff, loupsize, fp)! - NULL) send (sould, buff, size of (buff), 0);
if (secre (sould, buff, bufsize, 0) 70)
fhuts (buff stdout); , free (buff); int main (int argo, char x argo[]) int create_socret; struct socraddr in address;

Expt. No.			Date
			Page No.
if (coreate.	socret = 1 not	1.410=	Page No
	2000	CELL AE INET	, SOCK-STREAM, O)
printe	Socret crea	tel Inni.) /0)
0.1.10.011		(11)	
adaress sin	-family =	AE INET	
adaress. Su	1 port = h	tons (1500	();
iner-gron (AE INET, as	qu[1], lad	(diess. sin_addi);
if (connect (e	reste societ	(struct socka)	ddr *) Laddrey
	- s	ized caddres	4))==0)
grintfl"C	onnection c	was accepte	ddr *) loddress, s)) = =0) d log saver(n"/;
str-cli(sto	lin, create	soclet);	
return clo	se (create.	soclet)	return o;
3			
	44		
		A 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
			The second second
			The Line of the last

Teacher's Signatur

Expt. No. 7	Date
	Page No.
Implementation of remote commissing societ system calls	and esocution
Frendlide < sus/tuber hs	
tt willial < sill / langet 1.5	
#include < sign stat. h> #include < stdio. h>	
#include < stalile h>	
#include < fontl. h>	
# include unistd.h>	
# include < netinet / in. h	
# include < arps/inet.h>	
void strecto (int confd)	
ind ny loutsizy = 1024, len; orar x louff = malloc(loutsizy struct sociaddr_in addr; again: while (n=reor) (confd	
char x louff = malloc louising	();
struct sociaddr-in addr,	1 11 0 1 2 1 2 2
again: while (n=reor) confa	, lough louisize, 0/170
3 system (buff);	
3	
il(n<0)	
if (n < 0) goto again;	
}	
int main()	
int listents, confd, addrlin, pie	d;
Teacher's Signs	ature

returno;

Expt. No	Date
	Page No
Client	
# include < six/types.h>	
# include < sess / sandet his	
# include < sys/ societ h? # include < sys/ stat.h>	
HT WIND I STATE OF	
# include unistate	
# include < fontl. h>	
# include < arps/inet.h>	
# include netine / in. hy	- 1 011:
roid Str. cli (FILE x fh, i	int socifa)
int louis = 1021 pa	nt.
drae * loute = mallon	(191/1)
int bufs = 1024, co orac * louff = malloc while (facts (buff, be	Us th) 1'= N(1/1)
5	-19-(10).
2 send (socefd, buf	L. sireof (buls), 0).
3) • (• () -/)
}	
unt main (int argo, du	u + argv[])
int as set.	
struct sockaddrin ac	Idean
South Story and	,
1/((M. = = 2 SOCRET (AF))	NET SOCK STREAM (1)70
4 (cs = = socret (AEII	ested \n").
address. sin_family = A1	EINET;
	Teacher's Signature

Expt. No.	Date
inet_pton(AEINET ef((ret=connect(v	Page No
printy (" come	of (address))) = = 0)
strecli (stdin, cs);	
returno;	

Expt. No. long int enceypt (long int oh long int n, Page No. _ { int i; long int temp=sh; for(i=1; i<e; i+1) temp=(temp x sh)-1. n; orar decrypt (long int or, long int n, long int d) int i; long int temp=sh: for (i = 1; i < d; i+1) sr = (temp x sh)·1·n; return sr; ant main() long int i, len; long int h, q, n, phi, e, d, ciptur [50]; vros text [50]; cout < < " Enter text for enoughtion"; cin. getline (text, sizeo((text)); len = strlen (text); do & h = rand()-1.50; ? while (! isprime (p)) do { q = rand()-1.50;

Expt. No. Page No. while (! isprime(q)); n= p xq;

phi = (p-1) x (q-1);

do { e= rand():1. phi;
} whili (gcd (phi, e)!=1); do { d= rand()-1. phi; 3 while (((dxe)-1. phi)!=1); cout << " n = pxq " << pxq << endl; cout << " phi = (p-1) x(q-1)" << phi << endl; couter "Public Key (n, e): "12 n << e<< endl; cout << " Perivati Key (A, d): "22 n << d<< endl; for (i=0; i<len; i++)
ciphur [i]= enorypt (text[i], n, e); cout << "Encryped mussage" << endl; for (i = 0; i < len; i+1) cout << cipher[i]; for (i=0; i < len; i+1) text [i] = decrypt (cipher [i], n,d); coud ex endl;

Expt. No.	Date
	Page No
cout << 4 deca	yhed messagi'ex endl;
for(i=0; i<	0000:
for (i=0; i<) cont << te	xt[i];
cout << endl;	
return 0;	
}	
Diffie - Hellman # include < stdio.	Key Eschange
Hinclude math.	h
long long int y	hower (long long inta, long long int P)
song song sin b,	tong tong int 7)
if (6221) 9	return a;
else estuan (100)	eng long int) power(a, b))·1·P)
3	5 reg 500 reg 50 rec /9(00009(4) b)) 1 1)
unt main()	
long long int	P, G, x, a, y, b, ka, kb;
print ("Enter.	P, Cy, x, a, y, b, ka, kb; the value of P"); ', & P);
G = 9:	
3 4)	Teacher's Signature
	Indicitor 4 Signature

Expt. No. _ 3. Page No. printf ("Enter The value of G"); scanf ("010 lld", &G); priends ("Private Key for Alice: I'lld", a); b=3: print("Private Key for Bob: 1. Ild", b);
y = prower (g, b, P), ka = power(y, a, P); kb = power(x, b, P);printf("Secret Key for Alice : % lld\n", ka); printf(" Secret Key for Bob: % lld\n", kb); return o;