CASE 1: ENTER THE YEAR

2000

2000 is a leap year

Lare 2: ENTER THE YEAR

1900

1900 is not a loop year.

CALL 3: ENTER THE YEAR

2012

2012 is a leap year.

CARE 4: ENTER THE YEAR

2013

2013 is not a leap year.

Expt. No.	Date 28/10/2021
Expt. No.	Page No. 1
-4-Chall	
# Shell script to find if a given year is lo	on was in wat.
#1/bmlsh	J 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
echo" Enter the year"	
# [ expr \$ y 1.400 -eq 0]	
then - Eq. 0]	
enner" & loop "	
ediu 5 garageas	
emo " \$ y is aleaguers"  ely [ 'expr' \$ y > 100' - eq D]  then	
elle " \$ y is not a leapyras"  dig [ 'expr \$ y '/.4' - eq. 0"]  then	
then I expr \$4.4 - eg 09	
700-1	
eino " by is a leap year"	
like	
echo " & y is not a leap year"	
5;	
Tanahad Co.	
Teacher's Signature	:

ENTER THE RADIUS

12

AKEA IS 452.16

Expt. No. 2	Page No. 2
# Shell right to find the area of a write.	
esho "Enter the radius"	
9read v pi = 3.14	
echo spi \$r \$r   bc	
een was parea	
Teacher's Signature :	

CASE I :- ENTER THE NUMBER

l

I is positive

Lave 2: ENTER THE NUMBER

- 1

- 1 is negative.

Case 3: ENTER THE NUMBER

D

NUMBER IS D.

Expt. No. 3	Date 23 10 202
LAPE	Page No
* (1-4)	
\$ Shell singt to check if a new	untres is positive negative
	7
#1 bin /sh	
elle " Enter the number"	
read n	
1 [ \$n - 1+ 0]	
then	
echo" \$n is negative"	
ely I &n -gt D]	
then	
echo " \$ n is populue"	
else	
ema " \$n is gera"	
Si sin sin sin sin sin sin sin sin sin si	
5 1	
	Teachar's Signature
	Teacher's Signature :

ENTER NUMBER I OUTPUT .:-25 - - -ENTER NUMBER 2 49 = ENTER NUMBER 3 15 PRINTING LARGEST

49

1

1. 1. A. 2. A. 2. M. 2. M.

-44 - 45-5

ENTER THE NUMBER

120

٠,٠,

DOTPUT :-

ENTER THE BASIC SALARY 2,000 WHOSS SALARY IS 2500\_

. . . . . . . . . . . . .

	Date 6 -11-4021
Expt. No6	Page No
# Shell script to find the gro #1/bin/sh echo" Enter the bank salary"	is sday of a person
hva = \$ echo " scall = 2; \$ be	10/100 " 10/
echo " coron rolay = is \$ grow	\$bs"\bc
Teache	er's Signature :

100 degrees johnenhet is equel to 37778° degrees celevis.

Expt. No	Page No. 7
# shul roups to wound Fahrenhut to a # shul roups to wound Fahrenhut to a # ship is h  either "Fater degree fahrenheit lemprolien  read f  a either "Stale = 4; (\$5-32)/1.8  either "\$ f drgne fahrenheit in equal  degree celhius"	lius.
Teacher's Signature :	

```
DUTPUT
   1. Add 2. Sub 3. Mul 4. Div
   1.
   Enter the number.
   10
   20
   30
DUTPUT
 1. Add 2. Sub 3. Mul 4. Die
  2
 Enter the number.
 10
 20
 -10
OUTPUT
1. Add 2. Sub 3. Mill 4. Div
3
Enter the number.
10
20
200
DUTPUT
1. Add $ 2. Sub 3. Mul 4. Div
Enter the number
10
20
```

## OUTPUT.

ENTER AN NUMBER:

10

Sum = 30

Expt. No. 9	Page No. 9
# Shell script to find rum of s # 1 / bin / sh eino "Enter the number of elleron	
rum =0; i = 2	
while [\$i -le \$n]  sum = \$(1 sum + i))	
i = \$11 c+21)  done  euro "Sum = \$sum"	
Teacher's	s Signatura :

# OUTPUT

١	1	1	
١	111222333111222222333	12312312312312312312	
ì	I	3	
i	2	1	
`	)	2	
,	)	3	
1	2	1	
1	5	1	
	1 3	2	
	1 3	3	
(	2 1	1	
2	1	2	
1	2 1	3	
	2 2	. 1	
	2 2	12	
	2.	2 3	
	2	3 1	
	2	3 2	
	2	2 2	
	2	77	
	2	1 1	
	2	12	
	3	13	
	3	71	
	30 00 00 00 00 00 00 00 00 00 00 00 00 0	13 21 22 23	
	3	23	

Expt. No	Page No. 10
# Shell script to print all p combiner	lurs of number 1 2 3
#1/bin/sh se for i in 123	
for j in 123	
for k in 123	
done eiho \$i	\$. \$Y
done	
Teacher's Signatu	re :

OUTPUT

Endor the number

3

Enter the power

3

3 to the Pawa 3 is 27

Date 15	11-205
Expt. No Page No	
# Shell suight to find the power of a number	
#1/bin/sh	
eens "Enter the number"	
read n	
echo " Enter tre parces"	
read p	
pav = \$p	
mul = 1	
while [\$p-gt D]	
do + 11 ( * 10 ) )	
mull = \$1(mul * n) $p = $1(p-1)$	
elle " \$1 To the power \$ pow is \$mul"	
elle " In To the power & pow is & mil	
Teacher's Signature :	

Enter the number of elements

6

Enter the 6 numbers

30
26
84
93
29
11

Sum of the numbers is 273

DUTPUT :-

Enter the entered marchs and see of religent 1 50 Grade of rubject I is D Enter the whend warks and see rubject 2 70 Grade of subject 2 is B Enter the internal marks and SEE support 3 Grade of rubjut3 is E South the enternal wants and SEE subject to 49 90 Gode of subject 4 is S Enter the interned marks and GEE rubget 5 33 (2 Student was failed in this subject Enter the interned marks and we grubfull & Grade of subject 6 is C Pours 25 Paul = 1

*	Shell supt to display pars class of a reident			
	#1/bin/sh			
	$\gamma = 1$			
	faul =0			
	pars =0			
	while [ \$n -le 6]			
	do			
	send interest			
	read enternel			
	then  ethe "Studenthas yailed in this subject"			
	5ail = \$1/5ail + 1)1 $9n = $((n+1))$			
	whave			
	5;			
	y [ Smarks -gt 90]			
	Then			
-	ento "brade of rulejest \$1 is \$"			
	pars = \$1(pars +1))			
-	ely [ Smalu - gt 80]			
-	eller " lyade of subject is A"			
-	pans = { ((pans + )))			
-	etally E\$ mad - 5t 70]; than			
_	also gode of rubyer is B.			
	Teacher's Signature :			
0				

Teacher's Signature : \_\_\_\_\_

Endos tre nunties.

5

11235

$=$ $\top$	
A	Shell reupt to find me fibrouri reries up to n.
	10 4 G
	who " Enter the rumus"
	read n i = 0
	las = 1
	lu = 0
	while [\$i-1+ \$n]
	det
	echo " \$ las"
	temp = \$ sec
	sec = \$les
	has = \$ 4 temp + las ))
	c = \$ ((c+1))
	done
-	
-	
	Teacher's Signature :
	leacher's Signature :

QUTPUT

Enter the string

abcdefghijklmnopq vstuvwxyz

Voruels =5

Expt. No. \_\_15

Page No. \_\_\_\_\_\_\_\_\_

Shell scept to earn't me number of vauchs of a string leto "enter the string" len = 'empr \$ str | wc -c. ling = hepr \$ len -1 while I \$ len -gt D] ch = enpr \$ str | cul - c 5 lin' [acion AE100] want = appr # \$ want +1. em = expr \$ m -1 ento " varied - blant &

Teacher's Signature

### DOTPUT

Enter the flename

abod-tat

lives = 1 abod. tat

Words = 1 abod. tat

Character = 27 abod. tat

_		
Date	 	

Expt. No. 16 Page No. 1	7
# Shell must to check number of lines, words and	
echo " onto the file name"	
Near J	
1= 'WC -1 \$5'	
w= `wc -w \$5'	
eiles " Lines = \$1 (n Words = \$w \n Charaline = \$c"	
Teacher's Signature :	

### OUTPUT

SHBLL = /bin/bash
SBSSION-MANAGER = Local/dakshins ...
QT-AUBSSIBILITY = 1
COLORTERM = Inne color.

North 1 lest 1. test test 1 copy. Lest Hourd link created.

00TPOT 2

· /a. out -8 test1. but test1 right. but soft Symbolic link credit .

Write a C/L++ purgram to emilete the Unin In comment
# wulnde < stdw.hs
# unlide < rys / types. h>
#unlude < unnl. n>
# nutual < string. n>
ent mains ( not age of the total a
ent mains ( just aggs, chan "cgvvL]) &
if large < 3 11 ayc>411 (ay == 4 bb strumplayv[i],"-s 1))
print 1" Usage: · · laious [-s] < org-fu> < newslink>"); relium 1;
< new (mk > 4);
relieves I;
olus 1/ 2000 = 416
elne if ( enge = 4) {  if ( symlink (angu(2), ay [3]) == -1) :  pruff " Symbolii (annothe nected");  else
4 ( symane (digota), dg (3)) == -1/
elle
punt !" System Symbolic link wested");
3 else. 3
of [link (argv [1], arg [2]) ==-1)  pury [" Lamot make Hank ink"]:
ehe
print (" Hard link wealed ");
return O;
3
Teacher's Signature :

#### OUT PUT

System supports job control
Systems supports CHOWN RESTRICTED D
Path name bruc option is D
Dirable character is D

<u>k</u>	Write C/L++ PDSIX Winglant program that purts PDS/X defined wifiguration options supported on only guen systems using feature lest macross.
	Adeluie POS/A STURCE
	Hullide < XIdia h >
	int mains () {
	# if def _ DOS (x - JOB - LONDROZ
	# elve
	print 1" Syran doer not support j'do undo!");
	# endy
	# if del -POSIX -SAUBD-IDS
	print " System rupports Sound Set 20 and SES GIP In 1)
	# luc
	print 1 Syllon does not support SANOD ret 410
	# ydy _ POSIX_CHOWN_BESTRICTED
	printil" System supports CHOWN RESTRICTED is
	7.2 In , - POSIX - CHOWN - BESTRUTED )
	# else.
	printing Systems does not support CHOWN DEIDNS (nº);
	print 1" System does not support CHOWN OPIONS (nº);
	Teacher's Signature :

	Date
xpt. No	Page No. 2.1
# if def	-POSIX-NO-TRUNC  printy 1" Path name tun optionin 1.d \n",  - POSIX-VOISABLEJ;
	penuly 1" Path name tun optimis 1.d \n"
Herre	- PDSIX_ VOISABLE J;
# end if.	prut 10 Pata name bus option is not supported "L'
# if def	-POSIX- VOISABLIS
# use	print 1" Disable character is 2 d ln", - POSIX-VDISABLE
# end if.	print " Disable charden is not supported ");

Teacher's Signature : \_\_\_\_\_

· /a.out abcd. tot

ab cdefghijklmnapgrst uwwxyz

## OUT DUT 2

· la.out about took a body u

· / a out about . tot

* Write or C/C++ program which demonstrates Bulipure	4
communication seelinen a reader purgram and a	
with failers. We with fifthe one seed with and	
the app in your programs	
# include < rys / types h>	
#indude < unistd. n>	
# include < full n>	
# unlieds < Rys / stal. h >	
Hundrede < stong. h >	
# include < erring. h>	
H unlide < std 10.h2	
not main ( not arge, chan + argu []) {	
urt fd:	
chan buy [256];	
if lay c 1 = 2 feet 1 arg c 1 = 3) [	
print IN USANE J.S Efile > Exanged In"	
argu [O] ];	
return +;	
3	
ma figo lang [17, S-IFIFO   S-IRWXU   S-IRWX	4
S Jawad;	
if (agc==2)[	`
fd = open ( org V EIT, D-RODWLY   D-NON,	
when ( read 1 td, but, ngeg (by)1 > 0)	
prust 1"1. x", but);	
}	
Teacher's Signature :	

	Date
Expt. No.	Page No
else E	Id = topen (argli], 0-KWRDWY (DECREAT): would (Id, argv12), sturling (argv12]))>
	Teacher's Signature :