Experiment: 2
02/03/29 A hell programming - command byston 6.
Dim: Po implement & hell programming- command Lynlox - will Limple function with basic losts, loops, patterns.
command synlar - will brittling
auch wash ress. 2009s, Julius
Theosy.
Theory:
Bhell-
is an injugament in allow me son
sun our commands, program 3 shell & cripls
there are different planots of Shell.
each planor of Shew has its own set of recognized commands & functions.
secognized commands & functions.
Shell prompt -
the command prompt, visued by Shell it seads your input ofter
the command brompt, visued by Shell
the command prompt, which by shell
Mar hit entes.
you pit entes.
Shell types -
there are two major lipes of
Shell - Bourne B C Shell.
bourne Shell clarry cations: - Bourne shell (Sh)
1 com Shell (kgh)
Bourne squin Shell (bash)
hosin Shell (Sh)

#//bin/bash
Echo" odd or auen"
echo - n" enluro xo check"

sead n
echo - n " cherul:"

if [' ener \$ n'/. 2' == 0]

then

cho "\$ n is even"

else

echo "\$ n is even"

else

echo "\$ n is even"

Sulpul

Enter the number to check 2 it is a even number 3 it is a odd number.

8
(ii) rusite a shell program to check wither a given year is leap year of not.
Algorithm:
Step.1. Start
3: sniplement if else
5: then it is a leap year
6: else il is Nol. 7: Stop.

program

echo "enter the year"

read a

if [\$((a/.400)) ==0]

then

echo "heap year"

elif [\$((a/.100)) ==0]

then

echo "Not leap"

else

echo "leap"

else

echo "Not leap"

fi

output

Entes the year

Not leap.

Enter the year

Leap.

program

echo" enter the number!"

Leach a.

Lecho" enter the number?"

Leach b.

Lemp = 0

Lecho "Number! = \$a"

Lecho "Number? = \$b"

Lecho - C

Lemp = \$b

b = \$a

a = \$lamp

Lecho" Number! = \$a"

output

Enter the number 1 2 Enter the number 2 6. Number 2 = 6 able Swaffing Number 1 = 6 Number 2 = 2 program

echo" enter the number!" read a.

echo" anter the number 2:" Read b

echo "meno"

echo - 1. add"

echo "2. sub"

echo "3. mux

eeho "4. div.

Read n

case In in

- 1) echo "a+b= \$((a+b));;
- 2) echo " a-b = "\$((a-b));;
- 3) echo "a+b= "\$ ((a+b));;
- 4) scho-a/6="\$((a/6));
- *) scho "matiel input" esac.

sulput.

Enles othe number 1:

5 Enle the number 2:

MENU

- 1. sodd
- 2. But
- 3. Mull
- 4. Div

4.