Commands(Making)

date outputs Fri Aug 1 12:01:55 GMT 1997	**echo hari is good** o/p hari is good	**ls** the name of all files
cal 5 1992 outputs the calendar of May 1992.	**cal 2001** calendar 2001	**cal 5 > tt** calendar 5 is put in file tt
ram=23 sets the value of variable ram as 23. It can be used in following commands till new setting is done		
echo $ram kapil is ram outputs 23 kapil is ram. $x means value of variable x.		
echo ram is `date` mohan outputs ram is Fri Aug 1 12:01:55 GMT 1997 mohan. `x` means the output of command x. ` (back quote) is north west key of the key board.		
cal 12 1997; sleep 5; cal 1 1999 outputs the calendars of Jan 1999 after 5 seconds.		
set ram 12 om kapil sets the value of variable 1 as ram, 2 as 12, 3 as om, 4 as kapil, # as 4, and * as ram 12 om kapil. Here * is set as entire string. # is set as number of words in the string. **echo 3 ram $2 $4 ttt $# $* $1** outputs 3 ram 12 kapil ttt 4 ram 12 om kapil ram.		
set `date`; echo $3-$2-$6 outputs 1-Aug-1997. Value of variable 1 is set as Fri, 2 as Aug, …,# as 6, * as …..		
date | cut –c2-6 outputs ri Au. The output of command date is cut between second and sixth letters. **echo ram kapil kapil | cut -c3-12** outputs m kapil ka.		
for i in Ram Shyam Mohan ; **do echo hello $i ; done** outputs hello Ram hello Shyam hello Mohan		

Making new commands Sequence of commands are put in a file (say file name is t1). The file is made executable by command chmod +x t1 (or by chmod 777 t1). Now a command ./t1 is ready.

File name	Contents	Command	Output	1	2	3	#	*
t1	echo $2 $# $* $3	**./t1 ram om go**	om 3 ram om go go	ram	om	go	3	ram om go
ttt	cal $1 1995; cal $2 1994	**./ttt 3 5**	Mar1995 May1994	3	5		2	3 5
ttt1	for i in $* ; do cal $i 1995; done	**./ttt1 3 12 8**	Calendars March, December, and August 1995.					
ttt2	set `ls` ; echo I have $# files	**./ttt2**	The number of files in current directory					
g	m=$1; set `date`; cal $m $6	**./g 7**	calendar July current year	Variable 1 saved in m Since updated by `date`				
u	x=`date | cut –c12-13` ; y=`date | cut –c15-16` ; echo it is $x hours $y minutes	**./u**	outputs time					

File t3	File t4	t5	t6	t7	
case $1 in Jan) cal 1 1997;; Feb) cal 2 1997;; …. Dec)cal 12 1997;; esac	case $# in 1)m=$1; set `date`; cal $m $6;; 2)cal $1 $2;; esac	set `cat temp` for i in $* do echo hello $i done	echo Give month read x echo Give year read y cal $x $y	for i in $* do y=$z z=$i done echo $y	

./t3 Mar will print the calendar of March 1997. Here month name (not number) is given.

./t4 7 1995 will print calendar of July 1995. **./t4 7** will print the calendar of July current year. Following is same

if ["$#" = 2]	then	cal $1 $2	else	month=$1	set `date`	cal $month $6	fi

./t5 Hello is done to all those persons, whose names appear in file temp.

./t7 ram om 12 6 hari outputs 6. Second last element. $z will output last. ./t7 a b c > m will output in file m.

1. Define command cala. **./cala 1995 7** will print the calendar of July 1995.
2. calb. **./calb Mar 1995** will print calendar of March 1995. Month name (not number) and year.
3. **calc 3 8 5** will print calendars of March, August, and May 1995. (A) cald. Same except year is current year.
4. **cale Mar 1999** calendar of March 1999**. cale Mar** March current year. year not given is taken as current.
5. **calf 2 1999** will print calendar of March 1999. Calendar of next month is printed. (**calf 12 1995** Jan1995).
6. **calg Mar Aug May** will print calendars of March, August, and May 1995.
7. dayname. **dayname 7** will print Sunday. **dayname 5** will print Friday.
8. today. weekday of today (on 7-12-2016(wed) o/p 3). (A) currentcalender calendar of current month and year.
9. Define date1. Current date will be printed in the format 1-8-1997. (A) in the format 1-8-97.
10. **inshort rajiv 3** will output raj. **inshort kapilkumar 7** will output kapilku. inshort x y: first y letters of x
11. **latetime 5** will not print anything for 5 seconds. After that it will print the time (when command was given)
12. **putcal 10 1994 t1** will put the calendar of October 1994 in file t1. [Hint: cal 5 > u]
13. Define filecontents. It displays the contents of all files in current directory. [Hint cat filename]
14. **calall 1994 t1 t2** will print calendars of all months listed in file t1. The output is put in file t2.
15. calall1. Similar except the output file name (may or) may not be given. In this case output on the monitor.
16. **wel Ram Hari Gopal** says hello Ram. For Hari and Gopal says good morning. To the first person hello is said. To the remaining persons good morning is said. all persons different names. Any number of persons.