**PRACTICAL 3**

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| **AIM- Display calendar of current month** |

[16it51@LINTEL 16it51]$ cal

January 2018

Su Mo Tu We Th Fr Sa

1 2 3 4 5 6

7 8 9 10 11 12 13

14 15 16 17 18 19 20

21 22 23 24 25 26 27

28 29 30 31

**PRACTICAL 4**

|  |
| --- |
| **AIM- Display today’s date and time** |

[16it51@LINTEL 16it51]$echo “date and time”; date

date and time

Wed Feb 14 04:13:24 IST 2018

**PRACTICAL 5**

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| --- |
| **AIM-Display usernames those are currently logged in the system** |

[16it51@LINTEL 16it51]$ echo “user name who are current login”; who

user name who are current login

16it51 pts/1 Feb 14 03:56 (100.100.112.68)

**PRACTICAL 6**

**AIM- Write a Shell script to check entered sting is palindrome or not.**

echo "enter the string" read name

echo " "

name1='echo $name | rev'

if [ "$name" == "$name1"] then

echo "\*\* $name is palindrome \*\*" else

echo "\*\* $name is not palindrome \*\*" fi

OUTPUT:

[216it1@LINTEL 216it1]$ sh pal.sh enter the string

mam

mam is palindrome

[216it1@LINTEL 216it1]$ sh pal.sh enter the string

heta

heta is not palindrome

**PRACTICAL 7**

**Aim:- Write a shell script which will generate first n Fibonacci numbers like:1,1,2,3,5,8…**

echo " enter the limit or how many fibonacci series do you want "; read max;

a=0; b=1; d=1;

echo $b;

while [ $d -lt $max ] do

c=`expr $a + $b`; echo "$c";

a=$b; b=$c;

d=`expr $d + 1`; done

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"fibo.sh" 15L, 180C written

Output:-

[216it1@LINTEL 216it1]$ sh fibo.sh

enter the limit or how many fib series do you 5

1

1

2

3

5

## **PRACTICAL 8**

### Aim:-Write a shell script to generate mark sheet of a student. Take 3 subjects, calculate and display total marks, percentage and class obtained by student.

[216it1@LINTEL 216it1]$ vi marks.sh echo "enter marks of subject 1 out of 100"; read s1;

echo "enter marks of subject 2 out of 100"; read s2;

echo "enter marks of subject 3 out of 100"; read s3;

total=`expr $s1 + $s2 + $s3`; per=`expr $total \\* 100 / 300`; echo "total is:";

echo $total;

echo "percentage is:"; echo $per;

echo "class is:"; if [ $per -ge 66 ] then

echo "distinction";

elif [ $per -ge 50 ] && [ $per -lt 66 ] then

echo "first class";

elif [ $per -ge 40 ] && [ $per -lt 50 ] then

echo "second class";

elif [ $per -ge 32 ] && [ $per -lt 40 ] then

echo "pass"; else

echo "fail"; fi

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| ~ |  |  |
| ~ |  |  |
| ~ |  |  |
| "marks.sh" 31L, 565C written |  |  |
| [216it1@LINTEL 216it1]$ sh marks.sh | 28,3 | All |

## **PRACTICAL 9**

### Aim:-Write a shell script to find factorial of given number n.

[216it1@LINTEL 216it1]$ vi fact.sh echo "enter number:"

read num fact=1

while [ $num -ge 1 ] do

fact=`expr $fact \\* $num` num=`expr $num - 1` done

echo $fact

~

~

~

~

~

"fact.sh" 10L, 124C written

Output:-

[216it1@LINTEL 216it1]$ sh fact.sh enter number:

5

120

[216it1@LINTEL 216it1]$

#### **PRACTICAL 10**

#### **Aim:-Write a shell script which will accept a number b and display first n prime number as output**.

clear; echo "Enter number" read num; a=1; b=2; k=2; while [ $a -le

$num ] do c=0; j=2; while [ $j -lt $k ] do if [

`expr $k % $j` -eq 0 ] then c=`expr $c + 1`;

fi

j=`expr $j + 1`; done

if [ $c -eq 0 ] then echo $k a=`expr $a + 1`;

fi

k=`expr $k + 1`; done

#### **Output:-**

Enter number 8

2

3

5

7

11

13

17

19