**1.Opendir(), readdir(), closedir()**

#include<stdio.h>

#include<dirent.h>

#include<sys/types.h>

int main()

{

    DIR \*dir\_ptr;

    struct dirent \*read\_dir;

    dir\_ptr = opendir(“.”);

    if(dir\_ptr == NULL){

        perror("Can't open file\n");

        return 1;

    }

    while((read\_dir=readdir(dir\_ptr)) != NULL){

        if(read\_dir->d\_type == DT\_REG){

            printf("File: %s\n",read\_dir->d\_name);

        }

        else if(read\_dir->d\_type == DT\_DIR){

            printf("File : %s\n",read\_dir->d\_name);

        }

    }

closedir(dir\_ptr);

return 1;

}

To run

gcc filename.c -o filename

./filename

**7/10 . Unix Commands**

cal (calendor)

cal 10 1947

date

date +%T

date +%D

date --help

whoami

// File folders

pwd (print working directory)

cd dirname (change directory)

ls (list)

ls -l

mkdir dirname (make directory)

rmdir file/dirname (for remove dir)

rm file.txt

touch filename

ls

cp dir1 dir2 (for copy)

mv oldfilename newfilename (change filename)

mv dir1 dir2 (for moving)

head filename (by default 10 lines)

Head -n 20 filename (first 20 lines of file are displayed)

tail filename (last 10 lines of file are displayed)

tail -n 20 filename (last 20 lines)

cat filename (concate and display file)

//System Information

echo” Hello”

uname -a (all system information)

uname -r (kernel information)

df -h (h for human readable and report of fil system disk space usage)

// for editing

nano filename (e.g., nano sample.txt)

// search in file

grep “content” filename (grep “hello” sam.txt)

//clear

clear for clean console.

history (history of console)