

DATE:-28/09/22

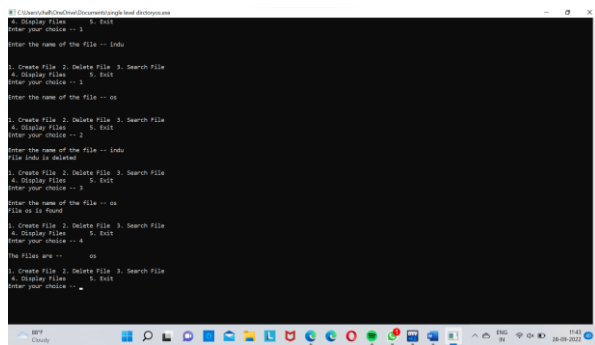
COURSE NAME:-OPERATING SYSTEM WITH DESIGN PRINCIPLES.

COURSE CODE:-CSA0470.

NAME OF THE STUDENT:-CH.INDHU PRIYA.

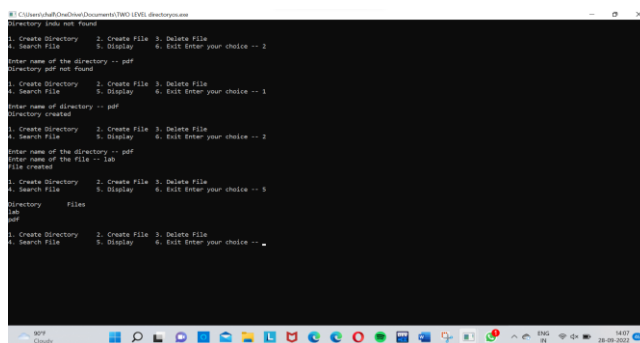
REG NO:-192111191

EXPERIMENT:11(SINGLE LEVEL DIRECTORY)



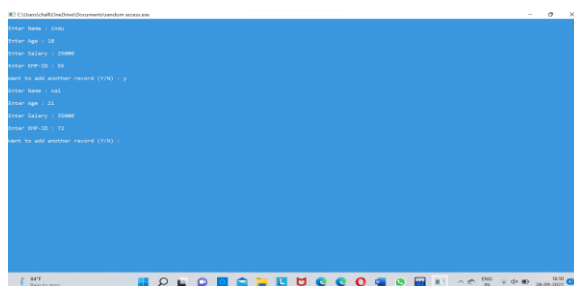
```
g++ C:\Users\chait\OneDrive\Documents\single level directory.cpp
4. Display Files 5. Exit
Enter your choice -- 1
Enter the name of the file -- indh
1. Create File 2. Delete File 3. Search File
4. Display Files 5. Exit
Enter your choice -- 1
Enter the name of the file -- cs
1. Create File 2. Delete File 3. Search File
4. Display Files 5. Exit
Enter your choice -- 2
Enter the name of the file -- indh
File indh is deleted
1. Create File 2. Delete File 3. Search File
4. Display Files 5. Exit
Enter your choice -- 3
Enter the name of the file -- cs
File cs is found
1. Create File 2. Delete File 3. Search File
4. Display Files 5. Exit
Enter your choice -- 4
The files are --
1. Create File 2. Delete File 3. Search File
4. Display Files 5. Exit
Enter your choice --
```

EXPERIMENT:12(TWOLEVEL DIRECTORY)



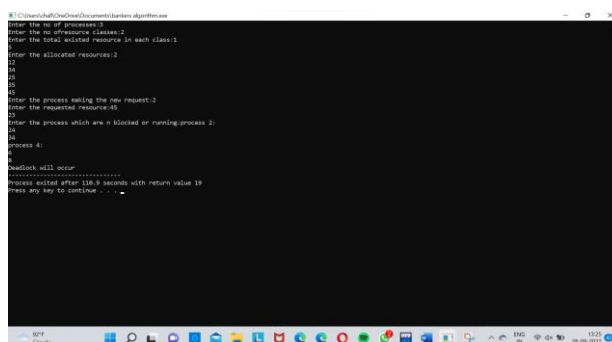
```
g++ C:\Users\chait\OneDrive\Documents\TWO LEVEL directory.cpp
Directory Name and File Name
1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice -- 2
Enter name of the directory -- pdf
Directory pdf not found
1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice -- 1
Enter name of directory -- pdf
Directory created
1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice -- 2
Enter name of the directory -- pdf
Enter name of the file -- indh
File created
1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice -- 5
Directory Files
pdf
1. Create Directory 2. Create File 3. Delete File
4. Search File 5. Display 6. Exit Enter your choice --
```

EXPERIMENT:13(RANDOM ACCESS)



```
g++ C:\Users\chait\OneDrive\Documents\random access.cpp
Enter Name : indh
Enter Age : 18
Enter Salary : 10000
Enter gender : M
Want to see another record (Y/N) : y
Enter Name : sat
Enter Age : 20
Enter Salary : 10000
Enter gender : F
Want to see another record (Y/N) :
```

EXPERIMENT:-14(BANKER'S ALOGRITHM)



```
g++ C:\Users\chait\OneDrive\Documents\banking algorithm.cpp
Enter the no of processes:1
Enter the no of resources classes:1
Enter the total existed resource in each class:1
Enter the allocated resources:2
11
24
25
26
27
Enter the process raising the new request:2
Enter the requested resource:0
11
Enter the process which are n blocked or running:process 1:
24
25
Process 4:
4
Deadlock will occur
.....
Process exited after 138.9 seconds with return value 19
Press any key to continue
```

EXPERIMENT:15(PRODUCER AND CONSUMER)

```

C:\Users\chaitin\Documents\producerconsumer.exe
1,press 1 for producer
1,press 2 for consumer
1,press 3 for exit
enter your choice:1
producer production 1
enter your choice:1
producer production 2
enter your choice:1
consumer consumption 2
enter your choice:1
producer production 2
enter your choice:1
producer production 3
enter your choice:1
producer production 4
enter your choice:1
consumer consumption 4
enter your choice:

```