Text, logo

Description automatically generatedTutorial: 10

Name: Chalani Saumya Rajapakshe

Id: IT21377280

Exercise- 01

Graphical user interface, text, application

Description automatically generated

#include <stdio.h>

int main(void)

{

int number,test;

FILE \*nfptr;

nfptr = fopen("number.txt","a+"); //open file in append plus mode

if( nfptr == NULL )

{

printf( "File cannot open\n");

return -1;

}

printf( "Input Number : " );

scanf( "%d", &number);

fscanf(nfptr,"%d", &test);

while(!feof(nfptr))

{

if( test == number )

{

printf( "\nNumber already in number.dat\n" );

return -1;

}

else

{

fscanf(nfptr, "%d", &test);

}

}

fprintf( nfptr,"%d\t", number);

fclose(nfptr); //close file

nfptr = fopen("number.txt","r"); //open file in reading mode

fscanf(nfptr, "%d", &number);

while( !feof(nfptr))

{

printf("%d\t", number);

fscanf(nfptr, "%d", &number);

}

fclose(nfptr); //close file

return 0;

}

Exercise- 02.a.b

Graphical user interface, text, application

Description automatically generated#include <stdio.h>

int main()

{

char n[10];

char d;

int i;

FILE \*fptr;

fptr = fopen("appointment.dat","w+");

for( i=0;i<5;i++){

printf("Name: ");

scanf(" %s",&n);

printf("Type: ");

scanf(" %c",&d);

fprintf(fptr,"%s\t%c\n",n,d);

}

fclose(fptr);

return 0;

}

Exercise- 02.c

Graphical user interface, application

Description automatically generated

#include <stdio.h>

int main()

{

int c=0,s=0,t=0;

char d;

char n[20];

int i;

FILE \*fptr;

fptr = fopen("appointment.dat","w+");

for(i=0;i<5;i++){

printf("Name: ");

scanf(" %s",&n);

printf("Type: ");

scanf(" %c",&d);

fprintf(fptr,"%s\t%c\n",n,d);

}

fclose(fptr);

fptr = fopen("appointment.dat","r");

printf("Appointment Type\tNumber of Patients\n");

for(i=0;i<5;i++)

{

fscanf(fptr,"%s %c\n",&n,&d);

if(d=='C')

c++;

else if(d=='S')

s++;

else if(d=='T')

t++;

}

printf("Consulting\t\t%d\n",c);

printf("Scanning \t\t%d\n",s);

printf("Testing \t\t%d\n",t);

fclose(fptr);

return 0;

}