

File Handling Assignment 01

// File Handling Assignment

//Ayush Program – 01

Program - 01

```
#include<iostream>
```

```
#include<fstream>
```

```
#include<string.h>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
ifstream fin;
```

```
char n[4] = "the";
```

```
char str[20];
```

```
int count = 0;
```

```
fin.open("thefind.txt");
```

```
while (!fin.eof())
```

```
{
```

```
fin >> str;
```

```
if(strcmp(str, n) == 0)
```

```
{
```

```
    count++;
```

```
}
```

```
}
```

```
fin.close();
```

```
cout<<" | The | Word occurred in file:"<<count<<"times"<<endl;
```

```
return 0;
```

}

Output:-

```
ayush@ayush-VirtualBox:~/c++/filehandalingAssuignment$ ./a.out
| The | Word occured in file:3times
ayush@ayush-VirtualBox:~/c++/filehandalingAssuignment$
```

Program – 02

```
#include<iostream>
#include<fstream>
#include<string.h>
using namespace std;
int main()
{
    ifstream find;

    string s;

    int count = 0;

    find.open("thefind.txt");
    while (!find.eof())
    {
        find >> s;
        for(int i=0; i < s.length(); i++)
        {
            if(s[i] == 'a')
            {
                count++;
                break;
            }
        }
    }

    find.close();

    cout<<"the word contain | a | in file is "<<count<<" times"<<endl;

    return 0;
```

```
}
```

Output:-

```
ayush@ayush-VirtualBox:~/c++/filehandalingAssuignment$ ./a.out
the word contain | a | in file is 3 times
ayush@ayush-VirtualBox:~/c++/filehandalingAssuignment$
```

Program – 03

```
#include<iostream>
#include<fstream>
#include<string.h>
using namespace std;
int main()
{

    ifstream find;
    string s;
    int count = 0;
    find.open("thefind.txt");
    while (!find.eof())
    {
        find >> s;
        if(s[0] == 'e')
        {
            count++;
        }
    }
    find.close();
    cout<<"the word started from 'e' is occurred in file : "<<count<<"Times"<<endl;
    return 0;
}
```

Output:-

```
ayush@ayush-VirtualBox:~/c++/filehandalingAssuignment$ ./a.out
the word started from 'e' is occurred in file : 3 Times
ayush@ayush-VirtualBox:~/c++/filehandalingAssuignment$
```

Program – 04

```
#include<iostream>

#include<fstream>

#include<string.h>

using namespace std;

int main()
{

ifstream find;

string s;

int count = 0;

find.open("thefind.txt");

while (!find.eof())
{

find >> s;

if(s[s.length() - 1] == 's')
{

count++;

}
```

```
}  
find.close();  
cout<<" the word ended with ' s ' is occured in file : "<<count<<" times "<<endl;  
return 0;  
}
```

Output:-



```
ayush@ayush-VirtualBox:~/c++/filehandalingAssuignment$ ./a.out  
the word ended with ' s ' is occured in file : 3 times  
ayush@ayush-VirtualBox:~/c++/filehandalingAssuignment$
```

Program -05

```
#include<iostream>
#include<fstream>
#include<string.h>
using namespace std;

fstream fout;

class student
{
public:
int id;
string name;
string branch;
string city;
};

int main()
{
student s1[20];
fout.open("student.txt", ios :: out | ios :: in);    s1[0].id = 1;
s1[0].name = "Ayush";
s1[0].branch = "electronics";
s1[0].city = "Anand";

s1[1].id = 2;
```



```
s1[1].name = "Rutvi";  
s1[1].branch = "IT";  
s1[1].city = "Vasad";
```

```
for(int j=0; j < 2; j++)  
{  
    fout<<s1[j].id<<"\t";  
    fout<<s1[j].name<<"\t";  
    fout<<s1[j].branch<<"\t";  
    fout<<s1[j].city<<endl;  
}
```

```
string st;  
int count = 0, choice, n;  
cout<<"enter the choice number"<<endl;  
cin >> choice;
```

```
switch(choice)  
{  
    case 1:  
        cout<<"how many number of students details you want to add?"<<endl;  
        cin>>n;  
        cout<<"-----"<<endl;  
        for(int j = 2; j < 2+n; j++)  
        {  
            cin >> s1[j].id;  
            cin >> s1[j].name;  
            cin >> s1[j].branch;  
            cin >> s1[j].city;  
        }
```

```

if(n != 0)
{
for(int j=2; j< 2+n; j++)
{
fout<< s1[j].id<<"\t";
fout<< s1[j].name<<"\t";
fout<< s1[j].branch<<"\t";
fout<< s1[j].city<<endl;
}
}

```

case 2:

```

cout<<"enter the ID number of student, that's you want to be search"<<endl;
int search_ID, m, k;
string temp;
cin >> search_ID;
fout.seekg(0, ios:: beg);

```

```

while(fout>> m)
{
if(m== search_ID)
{
cout<<m<<"\t";
for(k=0; k<3; k++)
{
fout>> temp;
cout<<temp<<"\t";
}
if(k== 3)

```

```
{  
break;  
}  
}  
}  
cout<<endl;  
}  
return 0;  
}
```

Output:-

```
ayush@ayush-VirtualBox:~$ ./a.out  
enter the choice number  
1  
how many number of students details you want to add?  
2  
-----  
Ayush  
enter the ID number of student, that's you want to be search
```

