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Subject: DSA Laboratory

Practical No: 12

Title: A C++ Program to implement Random/Direct Access Files.

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

```
    cout<<"\n\n -----*** Program to implement Random/Direct Access Files ***-----\n\n";
```

```
    ofstream fout;
```

```
    fout.open("One.txt" , ios::out);
```

```
    cout<<"\n Writting into the file.....\n";
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```
    cout<<"\n Location: "<<fout.tellp();
```

```
    cout<<" Line 01: Hello Dude, This is Sam...!!!";
```

```
    fout<<"Hello Dude, This is Sam...!!!"<<endl;
```

```
    cout<<"\n Location: "<<fout.tellp();
```

```
    cout<<" Line 02: Would you like to be my Friend..?";
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    fout<<"Would you like to be my Friend..?"<<endl;
```

```
    cout<<"\n Location: "<<fout.tellp();
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    cout<<" Line 03: We will enjoy together...!!!";
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fout<<"We will enjoy together...!!!"<<endl;

cout<<"\n Location: "<<fout.tellp()<<endl;
fout.close();

ifstream fin;

fin.open("One.txt" , ios::in);
cout<<"\n Reading from the file.....\n";

cout<<"\n Location: "<<fin.tellg();
cout<<"\n Shift control to...";
fin.seekg(64 , ios::beg);
cout<<"\n Location: "<<fin.tellg();
cout<<" Reading.... ";
char c;
while(!fin.eof())
{
    fin.get(c);
    cout<<c;
}
cout<<"\n Conclusion: We have Directly Accessed the line-03 of the file.";
fin.close();

return 0;
}

```

/*-----OUTPUT-----

-----*** Program to implement Random/Direct Access Files ***-----

Writting into the file.....

Location: 0 Line 01: Hello Dude, This is Sam...!!!

Location: 30 Line 02: Would you like to be my Friend..?

Location: 64 Line 03: We will enjoy together...!!!

Location: 93

Reading from the file.....

Location: 0

Shift control to...

Location: 64 Reading.... We will enjoy together...!!!

Conclusion: We have Directly Accessed the line-03 of the file.

...Program finished with exit code 0

Press ENTER to exit console.

*/