

TITLE: Program to print notice in complete format to a file

Abstract/ Project Brief:

This project consists of a program that lets the user print a complete notice in a proper format to a notepad file making it easy to get it circulated.

The program is designed on a C++ platform, and uses the concept of object oriented programming, file concept.

Program codes:

```
#include<iostream>

#include<string>

#include<fstream>

using namespace std;

int main()
{
    string noi;
    int date;
    string heading;
    string body;
    string name;
    string designation;
    string temp1="\t1. This is to inform you";
    string temp2="\t2. Through this notice I/We want to draw your attention towards";
    string temp3="\t3. All the members are informed";
    char ch,temp;
    fstream outline;
    outline.open("file1.txt");
    if(!outline.is_open())
    {
```

```

cout<<"Some error while printing your Notice";
}
else
{
    cout<<"\t\t\t**!NOTICE!**"<<endl;
    cout<<"\tWe are ready to get your notice printed!";
    cout<<" (Do as Directed)"<<endl;
while(!outline.eof())
{
    cout<<"Enter name of institute"<<endl;
    cin>>noi;
    cout<<"Date: (DD/MM/YYYY)"<<endl;
    cin>>date;
    cout<<"Enter the heading for notice"<<endl;
    cout<<"(**Keep it short**)"<<endl;
    cin>>heading;
    cout<<"Enter the body of letter"<<endl;
    cout<<"Want to select template (enter 0 otherwise press any other numeric key) "<<endl;
    cin>>temp;
    if (temp==0)
    {
        cout<<"Available Templates"<<endl;
        cout<<temp1<<endl<<temp2<<endl<<temp3<<endl<<"To select any of these enter 1,2,3
respectively or press any other numeral key"<<endl;
        cin>>ch;
        switch(ch)
        {
            case 1:
                {

```

```
        cin>>temp1;
        cout<<temp1<<"Body:"<<endl;
        break;
    }
    case 2:
    {
        cin>>temp2;
        cout<<temp2<<"Body:"<<endl;
        break;
    }
    case 3:
    {
        cin>>temp3;
        cout<<temp3<<"Body:"<<endl;
        break;
    }
    default:
    {
        cout<<"No template chosen";
        cout<<"Body:"<<endl;
    }
}

else {
    cout<<"Thank You"<<endl<<"Body:"<<endl;
}

cin>>body;
```

```
    cout<<"Enter your Name:"<<endl;
    cin>>name;
    cout<<"Enter your Designation:"<<endl;
    cin>>designation;
}
outline>>noi;
outline>>date;
outline>>"\t\t\tNotice";
outline>>"\t\t">>heading;
outline>>body;
outline>>name;
outline>>designation;
}
outline.close();
return 0;
}
```

****outputs on next page(P.T.O.)**

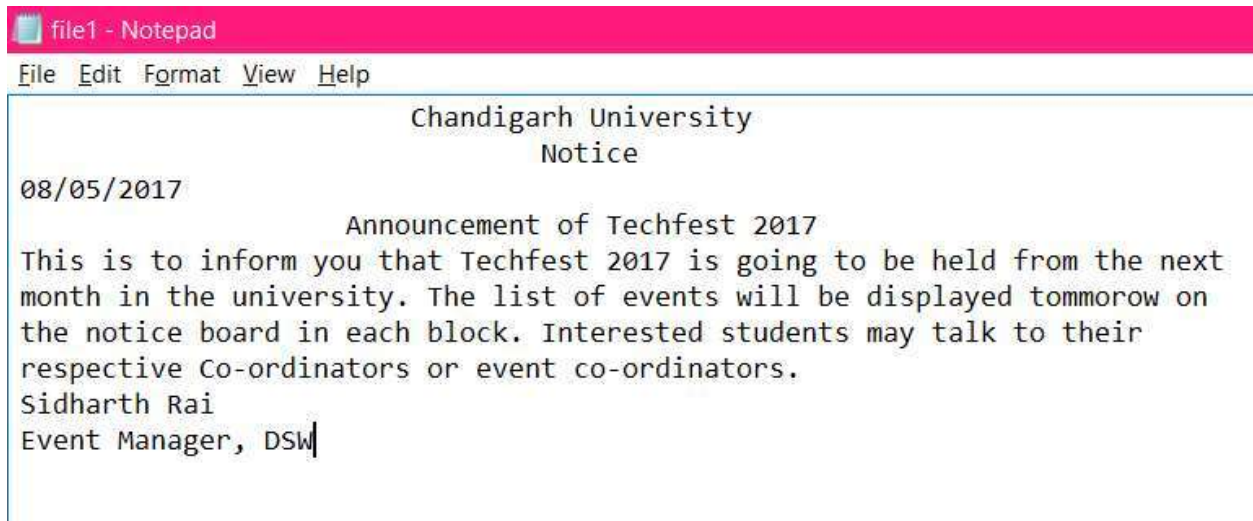
Output in C++ console window:

Figure 1 Output in Console Window

```
                **[NOTICE]**
    We are ready to get your notice printed! (Do as Directed)
Enter name of institute:
Chandigarh University
Date: (DD/MM/YYYY)
08/05/2017
Enter the heading for notice
(**Keep it short**)
Announcement of Techfest 2017
Enter the body of letter
Want to select template (enter 0 otherwise press any other numeric key)
0
Available Templates
    1. This is to inform you
    2. Through this notice I/We want to draw your attention towards
    3. All the members are informed
To select any of these enter 1,2,3 respectively or press any other numeral key
1
Body:
This is to inform you that Techfest 2017 is going to be held from the next
month in the university. The list of events will be displayed tomorrow on
the notice board in each block. Interested students may talk to their
respective Co-ordinators or event co-ordinators.
Enter your Name:
Sidharth Rai
Enter your Designation:
Event Manager, DSW
```

Output in file:

Figure 2 Output in File



```
file1 - Notepad
File Edit Format View Help
                Chandigarh University
                Notice
08/05/2017
                Announcement of Techfest 2017
This is to inform you that Techfest 2017 is going to be held from the next
month in the university. The list of events will be displayed tomorrow on
the notice board in each block. Interested students may talk to their
respective Co-ordinators or event co-ordinators.
Sidharth Rai
Event Manager, DSW
```

Conclusion:

This project helped us to print a notice to a file in a complete format, we got familiar with the knowledge of file concept in C++, also about the Object Oriented Programming and different library function used in a C++ program.