

## FileHandler Class - Problem on Copy Constructor

- Find and print the number of vowels in a given text file.
- Print the content of the text file.

Our task is to design a class that handles the file opening and closing for us.

# FileHandler Class - Problem on Copy Constructor

Write down a class named **FileHandler**. It will have the following skeleton.

```
class FileHandler
{
    FILE * fp;
    char name[100];
public:
};
```

The constructor will receive the filename and initialize the file pointer as well as the name (of the file). The destructor will close the file.

Sample Code for opening a file:

```
FILE * fp = fopen("input.txt", "r");
```

Sample Code for closing a file:

```
fclose(fp);
```

# FileHandler Class - Problem on Copy Constructor

The class will have two friend functions.

- **void printContent(FileHandler fh)**

Prints the content of the file pointed by the filepointer in fh.

- **void printVowelCount(FileHandler fh)**

Prints the total number of vowels in the file.

## Sample code for reading from a file:

```
char line[100];          //Let, each line-length <100
while(!feof(fp))
{
    fgets(line, 100, fp);    //read one line
    printf("%s", line);     //print the line
}
```