

3. Write a program to accept two strings and using operator overloading perform the following:

- Concatenation of two strings
- Comparison of two strings alphabetically

(NOTE: For concatenation (+), for comparison(==, > or <).

```
#include<iostream.h>
#include<conio.h>
#include<iomanip.h>
#include<string.h>
class string
{
private:char str[100];
public:string()
{
strcpy(str," ");
}
string(char s[])
{
strcpy(str,s);
}
void display()
{
cout<<str<<endl;
}
string operator+(string ss)
{
string temp;
strcpy(temp.str,str);
strcat(temp.str,ss.str);
return temp;
}
int operator==(string ss)
{
if(strcmp(str,ss.str)==0)
return(1);
else
return(0);
}
int operator<(string ss)
{
if(strcmp(str,ss.str)<0)
return(1);
else
return(0);
}
};
void main()
{
```

```
clrscr();
char str1[25],str2[25];
cout<<"Enter two strings"<<endl;
cin>>str1>>str2;
string s1(str1);
string s2(str2);
string s3;
s3=s1+s2;
cout<<"Concatenated string is:";
s3.display();
if(s1==s2)
cout<<"Two strings are equal";
else if (s1<s2)
cout<<"First string is alphabetically above the second string";
else
cout<<"Second string is alphabetically above the first string";
getch();
}
```