

Program to overload operator + , = = and << for strings

```
include<iostream>
using namespace std;
#include<string.h>
class test
{
char name[12];
int a;
public:
test(const char *p)
{
strcpy(name,p);
}
test()
{
}

int operator ==(const test t)
{
return(strcmp(name,t.name));
}
test operator +(test t)
{
test temp;
strcpy(temp.name,name);
strcat(temp.name,t.name);
return temp;
}

friend ostream& operator<<(ostream& ,const test&);
};

ostream& operator<<(ostream& os,const test& t)
{
os<<"\n inside funciton\n";
os<<"\n name is = \n";
os<<t.name<<"\n"<<t.a;
return os;
}

main()
{
test o1("hello"),o2("world"),o3;
```

Notes by Pritee Parwekar

```
if(o1==o2)
cout<<"\n NOT EQUAL";
else
cout<<"\n EQUAL";
```

```
cout<<"\n operator overloading + for stings\n";
```

```
o3=o1+o2;
```

```
cout<<"\n OVERLOADING << OPERATOR\n ";
cout<<o3;
}
```

Notes by Pritee Parwekar