

Exercise 7:

To construct a cpp program using friend function and friend class.

Source Code:

```
#include<iostream>

using namespace std;

class sample2;

class sample1
{
int x; public:
sample1(int a);

friend void max(sample1 s1,sample2 s2);

};

sample1::sample1(int a)
{
x=a;
}

class sample2
{
int y; public:
sample2(int b);

friend void max(sample1 s1,sample2 s2);

};

sample2::sample2(int b)
{
y=b;
}

void max(sample1 s1,sample2 s2)
{
if(s1.x>s2.y)
cout<<"Data member in Object of class sample1 is larger "<<endl;
else
```

```
cout<<"Data member in Object of class sample2 is larger "<<endl;
}
int main()
{
sample1 obj1(3); sample2 obj2(1);
max(obj1,obj2);
}
```

OUTPUT:

Data member in Object of class sample1 is larger