

Solution Code



```
/* C++ Program to illustrate Order of Constructor Invocation */
```

```
#include<iostream>
```

```
using namespace std;
```

```
class SUBJECT
```

```
{
```

```
    int days;
```

```
    int subjectno;
```

```
public:
```

```
    SUBJECT(int d=123, int sn=101);
```

```
    void printsubject(void)
```

```
    {
```

```
        cout<<"\nSubject No: "<<subjectno<<"\n";
```

```
        cout<<"\nDays: "<<days<<"\n";
```

```
    }
```

```
};
```

```
SUBJECT::SUBJECT(int d, int sn)
```

```
{
```

```
    cout<<"\nConstructing SUBJECT.....\n";
```

```
    days=d;
```

```
    subjectno=sn;
```

```
}
```

Solution Code



```
class STUDENT
{
    int rollno;
    float marks;
public:
    STUDENT()
    {
        cout<<"\nConstructing STUDENT.....\n";
        rollno=0;
        marks=0.0;
    }
    void getvalue(void)
    {
        cout<<"\nEnter roll number :: ";
        cin>>rollno;
        cout<<"\nEnter marks :: ";
        cin>>marks;
    }
    void print(void)
    {
        cout<<"\nRoll No: "<<rollno<<"\n";
        cout<<"\nMarks: "<<marks<<"\n";
    }
};
```

Solution Code



```
class ADMISSION
{
    SUBJECT sub;
    STUDENT stud;
    float fees;
    public:
        ADMISSION()
        {
            cout<<"\nConstructing ADMISSION.....\n";
            fees=0.0;
        }
        void print(void)
        {
            stud.print();
            sub.printsubject();
            cout<<"\nFees :: "<<fees<<"\n";
        }
};

int main()
{
    ADMISSION adm;
    adm.print();
    cout<<"\n\nBack to main().....\n";

    return 0;
}
```

