



```
class Object{
    Object(){}
}

class Person extends Object
{
    String name;
    int age;
    String gender;
    float height;

    //Parameterized constructor :: shadowing
    Person(String name,int age,String gender,float height)
    {
        super();
        this.name = name;
        this.age = age;
        this.gender = gender;
        this.height = height;
    }
}

class Student extends Person
{
    String sid;
    int marks;

    //Parameterized constructor :shadowing
    Student(String name,int age, String gender, float height, String sid,int marks)
    {
        super();
        this.sid = sid;
        this.marks = marks;
    }

    public void dispStudentDetails()
    {
        System.out.println("SID :: "+sid);
        System.out.println("MARKS :: "+marks);
    }
}
```

```
public class Test extends Object
{
    public Test()
    {
        super();
    }

    public static void main(String[] args)
    {
        Student std = new Student("sachin",49,"M",5.4f,"IND10",35);
        std.dispStudentDetails();
    }
}
```

```
class Object{
    Object(){}
}

class Person extends Object
{
    String name;
    int age;
    String gender;
    float height;

    //Parameterized constructor :: shadowing
    Person(String name,int age,String gender,float height)
    {
        super();
        this.name = name;
        this.age = age;
        this.gender = gender;
        this.height = height;
    }
}

class Student extends Person
{
    String sid;
    int marks;

    //Parameterized constructor :shadowing
    Student(String name,int age, String gender, float height, String sid,int marks)
    {
        //call to parent class parameterized constructor
        super(name,age,gender,height); // Call to parent class constructor explicitly made by programmer
        this.sid = sid;
        this.marks = marks;
    }

    public void dispStudentDetails()
    {
        System.out.println("SID :: "+sid);
        System.out.println("MARKS :: "+marks);
    }
}
```

```
public class Test extends Object
{
    public Test()
    {
        super();
    }

    public static void main(String[] args)
    {
        Student std = new Student("sachin",49,"M",5.4f,"IND10",35);
        std.dispStudentDetails();
    }
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