

Arrays:

1. class SDemo1

```
{
    public static void main(String args[])
    {
        int a[];
        a=new int[3];

        a[0]=100;
        a[1]=200;
        a[2]=300;

        int v;
        for(int i=0;i<a.length;i++)
        {
            v=a[i];
            System.out.println(" "+v);
        }
    }
}
```

2. class SDemo2

```
{
    public static void main(String args[])
    {
        int a[]=new int[3];

        a[0]=100;
        a[1]=200;
        a[2]=300;

        int v;

        for(int i=0;i<a.length;i++)
        {
            v=a[i];
            System.out.println(" "+v);
        }
    }
}
```

3. class SDemo3

```
{
    public static void main(String args[])
    {
        int a[]=new int[10];

        int value=100;

        for(int i=0;i<a.length;i++)
        {
            a[i]=value;
            value+=50;
        }

        int v;
        for(int j=0;j<a.length;j++)
        {
            v=a[j];
            System.out.println(" "+v);
        }
    }
}
```

4. class SDemo4

```
{
    public static void main(String args[])
    {
        int a[]={ 10,20,30,40,50,60,70,80};

        int v;
        for(int i=0;i<a.length;i++)
        {
            v=a[i];
            System.out.println(" "+v);
        }
    }
}
```

5. class A

```
{
    int x;
```

```

        void add()
        {
            System.out.println(" X : "+x);
        }
    }
class B extends A
{
    int y;
    void sum()
    {
        System.out.println(" Y : "+y);
    }
}
class SDemo5
{
    public static void main(String args[])
    {
        A s1=new A();
        s1.x=100;

        B s2=new B();
        s2.x=200;
        s2.y=300;

        A ob[]=new A[2];

        ob[0] = s1;
        ob[1] = s2;    // A ss1 = s2;

        ob[0].add();
        ob[1].add();

        System.out.println("-----");

        B s3=(B)ob[1]; // B ss2 = (B) ss1;

        s3.add();
        s3.sum();
        System.out.println("-----");
    }
}

```

} }