

## Scanner

Scanner is a class in java, which is used to read value in java during runtime.

### Steps to read value at runtime:

1. Import statement  
Import java.util.Scanner;
2. Creation of scanner object  
Scanner sc=new Scanner(System.in);

3. Declaration:

- a. To read integer value:  
int x=sc.nextInt();

- b. To read String value:  
String st=sc.next();

- c. To read double value:  
double d=sc.nextDouble();

1. Prog Read integer,string and double value  
import java.util.Scanner;

```
class Scanner2
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the integere value");

        int a=sc.nextInt();
        System.out.println("The value of integer is "+a);

        System.out.println("Enter the string value");
        String s=sc.next();
        System.out.println("The value of string is "+s);

        System.out.println("Enter the double value");
        double d=sc.nextDouble();
        System.out.println("The value of double is "+d);
    }
}
```

2. Write a prog to read array size and array elements using scanner class.

```
import java.util.Scanner;
class Scanner3
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the size of an array");
        int size= sc.nextInt();
        int a[]=new int[size];
        for(int i=0;i<a.length;i++)
        {
            System.out.println("Enter the value for array ");
            a[i]=sc.nextInt();
        }
    }
}
```

```
for(int j=0;j<a.length;j++)
{
System.out.println("The value of array index "+j+ "is"+ a[j]);
}
}
}
```

3. Prog to enter username and password and validate  
import java.util.Scanner;

```
class Scanner4
{

static void login(String un,String pwd)
{

if((un=="Ash")&&(pwd=="123"))
{
System.out.println("Login successful");
}
else
{
System.out.println("Login unsuccessful");
}

}

public static void main(String args[])
{

Scanner sc=new Scanner(System.in);

System.out.println("Enter name");
String n=sc.next();

System.out.println("Enter pwd");
String p=sc.next();

login(n,p);
}
}
```