

Engineering Animuthyam

Java DSA – Course Part -13

Input in java

Course Link:

<https://www.youtube.com/playlist?list=PLjzLBp9HHZWWhVXBSPS1VqxXXDoVk07gd9>

Website Link:

<https://www.vigneshreddyjulakanti.in/>

Hello machas, Bagunnara.

Basic Code

```
import java.util.Scanner;
class HelloWorld {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
    }
}
```

Java vullu mana kosam java.util package lo Scanner class already rasi petiru direct use cheskondaniki.

Integer input

```
Scanner sc=new Scanner(System.in);  
int n = sc.nextInt();  
System.out.println(n);
```

String Input

```
Scanner sc=new Scanner(System.in);  
String n = sc.nextLine();  
System.out.println(n);
```

How to take Integer Array Input

```
Scanner sc=new Scanner(System.in);  
int n=sc.nextInt();  
int arr[]=new int[n];  
  
for(int i=0;i<n;i++){  
    arr[i] = sc.nextInt();  
}  
  
for(int i=0;i<n;i++){  
    System.out.println(arr[i]);  
}
```

How to take String array input

```
import java.util.Scanner;
class HelloWorld {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        sc.nextLine();
        String[] arr=new String[n];
        for(int i=0;i<n;i++){
            arr[i]=sc.nextLine();
        }
        for(int i=0;i<n;i++){
            System.out.println(arr[i]);
        }
    }
}
```

How to take single word string array

```
import java.util.Scanner;
class HelloWorld {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        sc.nextLine();
        String[] arr=new String[n];
        for(int i=0;i<n;i++){
            arr[i]=sc.next();
        }
        for(int i=0;i<n;i++){
            System.out.println(arr[i]);
        }

        sc.close();
    }
}
```

Tip:

Use

```
sc.close();
```

Add sc.close at last to free up resources.

Problem:

Write a code That will take input integer n.

And will print n table.

```
4
4 * 1 = 4
4 * 2 = 8
4 * 3 = 12
4 * 4 = 16
4 * 5 = 20
4 * 6 = 24
4 * 7 = 28
4 * 8 = 32
4 * 9 = 36
4 * 10 = 40
```

```
import java.util.Scanner;
class HelloWorld {
    public static void table(int n){
        for(int i=1;i<=10;i++){
            System.out.println(n+" * "+i+" = "+(i*n));
        }
    }
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        table(n);

        sc.close();
    }
}
```