

## WORKSHEET\_SET\_1

**1- Write a java program to print ,**

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```
import java.util.Scanner;

public class Main{

    public static void main(String args[]){

        Scanner sc = new Scanner(System.in);

        int n = sc.nextInt();

        for(int i =0;i<=n;i++){
            for(int j=0;j<=i;j++){
                System.out.print("*");
            }

            System.out.println();
        }
    }
}
```

**2- Write a java Program to Swap Two Numbers,**

```
import java.util.Scanner;

public class Main{

    public static void main(String args[]){

        Scanner sc = new Scanner(System.in);

        int a = sc.nextInt();

        int b = sc.nextInt();
```

```
System.out.print("Before swapping a =" a + "b =" + b);  
int temp = a;  
a= b;  
b= temp;  
System.out.print("After swapping a =" a + "b =" + b);  
}  
}
```

**3- Write a java Program to Find Sum of Fibonacci Series Number,**

```
import java.util.Scanner;  
  
public class Main{  
    public static void main(String args[]){  
        Scanner sc = new Scanner(System.in);  
  
        int n = sc.nextInt();  
  
        int sum =0;  
  
        int a=0;  
  
        int b=1;  
  
        System.out.print("Fibonacci Series:");  
  
        for(int i =0;i<n;i++){  
            System.out.print(a+"");  
  
            sum += a;  
  
            int temp =a;  
  
            a=b;  
  
            b= temp+b;  
  
        }  
    }  
}
```

```
        System.out.print("fibonacci series : " + sum + " ");
    }
}
```

#### 4- Write a Java Program to Find the Largest Element in Array

```
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter the size of the array:");

        int size = scanner.nextInt();

        int[] array = new int[size];

        System.out.println("Enter the elements of the array:");

        for (int i = 0; i < size; i++) {

            array[i] = scanner.nextInt();

        }

        int largest = findLargestElement(array);

        System.out.println("The largest element in the array is: " + largest);

    }

    public static int findLargestElement(int[] array) {

        int largest = array[0];

        for (int i = 1; i < array.length; i++) {

            if (array[i] > largest) {

                largest = array[i];

            }

        }

        return largest;

    }

}
```

```
}  
}
```

## 5- Java Array Program to Remove Duplicate Elements From an Array

```
import java.util.*;  
  
public class Main {  
    public static void main(String[] args) {  
        Scanner scanner = new Scanner(System.in);  
        System.out.println("Enter the size of the array:");  
        int size = scanner.nextInt();  
        int[] array = new int[size];  
        System.out.println("Enter the elements of the array:");  
        for (int i = 0; i < size; i++) {  
            array[i] = scanner.nextInt();  
        }  
        int[] uniqueArray = removeDuplicates(array);  
        System.out.println("The array after removing duplicates is:");  
        for (int i = 0; i < uniqueArray.length; i++) {  
            System.out.print(uniqueArray[i] + " ");  
        }  
    }  
  
    public static int[] removeDuplicates(int[] array) {  
        Set<Integer> set = new LinkedHashSet<>();  
        for (int i : array) {  
            set.add(i);  
        }  
    }  
}
```

```
}  
int[] uniqueArray = new int[set.size()];  
int i = 0;  
for (int num : set) {  
    uniqueArray[i++] = num;  
}  
return uniqueArray;  
}  
}
```