

Question:-01: Find out the Fibonacci number.

```
public static void main(String[] args) {
    Scanner scan = new Scanner(System.in);
    int a = scan.nextInt();
    int b = scan.nextInt();
    System.out.print(" " + a);
    System.out.print(" " + b);
    for (int i = 0; i < 5; i++) {
        int c = a + b;
        System.out.print(" " + c);
        a = b;
        b = c;
    }
}
```

Question:-02: Find out the Factorial number from n values.

```
public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
    int number = s.nextInt();
    int i, fact = 1;
    for (i = 1; i <= number; i++) {
        fact = fact * i;
    }
    System.out.println("Factorial of " + number + " is: " + fact);
}
```

Question:-03: Find out the Prime number form n values.

```
public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
    int number = s.nextInt();
    int m=0;
    for (int i = 1; i <= number; i++) {
        if(number%i==0){
            m=m+1;
        }
    }
    if(m==2){
        System.out.println(number+" is Prime number");
    }
    else{
        System.out.println(number+" is not Prime number");
    }
}
```

Question:-04: Sort the Multidimensional Array.

```
public static void main(String args[]) {
    int arr[][] = {{4, 2, 3}, {2, 6, 5}, {7, 4, 6}};
    int m = 0;
    for (int i = 0; i < arr.length; i++) {
        for (int j = 0; j < arr[i].length; j++) {
            for (int k = j+1; k < arr[i].length; k++) {
                if(arr[i][j]>arr[i][k]){
                    m=arr[i][j];
                    arr[i][j]=arr[i][k];
                    arr[i][k] = m;
                }
            }
        }
    }
}
```

```

    }
    System.out.print(arr[i][j]+" ");
}
System.out.println();
}
}

```

Question:-05: Sort the Array in Reverse order.

```

public static void main(String args[]) {
    int arr[][] = {{4, 2, 3}, {2, 6, 5}, {7, 4, 6}};
    int m = 0;
    for (int i = 0; i < arr.length; i++) {
        for (int j = 0; j < arr[i].length; j++) {
            for (int k = j+1; k < arr[i].length; k++) {
                if(arr[i][j]<arr[i][k]){

                    m=arr[i][j];
                    arr[i][j]=arr[i][k];
                    arr[i][k] = m;
                }
            }
            System.out.print(arr[i][j]+" ");
        }
        System.out.println();
    }
}

```

Question:-06: Find out the Max-Min number among n number of values.

```

public static void main(String[] args) {
    System.out.println("Enter the value of length");
    Scanner scan = new Scanner(System.in);
    int x;
    x=scan.nextInt();
    int a[] = new int[x]; // Array length
    int max = 0;
    int min = 0;
    System.out.println("Enter the value");
    for (int i = 0; i < a.length; i++) {

        a[i] = scan.nextInt();
        if (i == 0) {
            max = a[i];
            min = a[i];
        } else if (a[i] > max) {
            max = a[i];
        } else if (a[i] < min) {
            min = a[i];
        } else {
            continue;
        }
    }
    System.out.println("Maximum number is: " + max);
    System.out.println("Minimum number is: " + min);
}
}

```

Question:-07: Find out the ten unique Random Numbers.

```

int dup[] = new int[10];
int count = 0, dupcount = 0;

```

```

private void generateDuplicate() {
    int randomvalue = 0;
    for (;;) {
        randomvalue = (int) (Math.random() * 100);
        if(duplicateCheck(randomvalue)==1){
            dup[count]=randomvalue;
            System.out.print(dup[count]+" ");
            count++;
        }
        if(count==10){
            break;
        }
    }
    System.out.println("");
}
int duplicateCheck(int x) {
    for (int i = 0; i < 10; i++) {
        if(dup[i]==x){
            dupcount++;
            return 0;
        }
    }
    return 1;
}

public static void main(String[] args) {
    AllTestfile rn = new AllTestfile();
    rn.generateDuplicate();
}

```

Question:-08: Find out the Conditional Sum until input 0(zero).

```

public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
    int sum = 0;
    for (int i = 0; ; i++) {
        int a = s.nextInt();
        if (a > 0) {
            sum += a;
        } else {
            System.out.println("The Total is : " + sum);
        }
    }
}

```

Question:-09: Find out the Odd-even number among n number of values.

```

public static void main(String args[]) {
    System.out.println("Enter an integer: ");
    Scanner in = new Scanner(System.in);
    int x=in.nextInt();
    if (x % 2 == 0) {
        System.out.println("Your entered number is an even number.");
    } else {
        System.out.println("Your entered number is an odd number.");
    }
}

```

}

Question:-10: Calculate the number with Power.

```
public class Powerset {  
    public static void main(String[] args) {  
        int a = 2;  
        int b = 4;  
        System.out.println(Math.pow(a, b));  
    }  
}
```

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CSE (Java)