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JAVA ASSIGNMENT-2

1. WAP to print all the values of an array

```
package A;
import java.util.Scanner;
class Arr{
    public void disp(int arr[],int n)
    {System.out.print("The array values are: ");
    for(int i=0;i<n;i++)
    {System.out.print(arr[i]+" ");
    }System.out.println();}
}
public class Anonymous {

    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        int n=sc.nextInt();
        int[] a = new int [n];
        for(int i=0;i<n;i++)
        {a[i]=sc.nextInt();}
        new Arr().disp(a,n);}}
```

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12 34 56 78 90

The array values are: 12 34 56 78 90

2.WAP to print elements of array in reverse order

```
package A;
import java.util.Scanner;
class Arr{
    public void rev_disp(int arr[],int n)
    {System.out.print("The array values in reverse order are: ");
    for(int i=n-1;i>=0;i--)
    {System.out.print(arr[i]+" ");
    }System.out.println();}
}
public class Anonymous {

    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        int n=sc.nextInt();
        int[] a = new int [n];
        for(int i=0;i<n;i++)
        {a[i]=sc.nextInt();}
        new Arr().rev_disp(a,n);}}
```

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12 34 56 78 90

The array values in reverse order are: 90 78 56 34 12

3.WAP to print duplicate values in an array

```
package A;
import java.util.Scanner;
class Arr{
    public void duplicate(int arr[],int n)
    {System.out.print("The duplicate values are: ");
        for(int i = 0; i < n; i++) {
            for(int j = i + 1; j < n; j++) {
                if(arr[i] == arr[j])
                    System.out.print(arr[j]+" ");
            }
        }
    }
    public class Anonymous {
    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        int n=sc.nextInt();
        int[] a = new int [n];
        for(int i=0;i<n;i++)
        {a[i]=sc.nextInt();}
        new Arr().duplicate(a,n);}}
}
```

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1 2 1 3 4 4 6 3 2

The duplicate values are: 1 2 3 4 |

4.WAP to sort the array

```
package A;
import java.util.Scanner;
class Arr{
    public void sort(int arr[],int n)
    {for(int i = 0; i < n; i++) {
        for(int j = i + 1; j < n; j++) {
            if(arr[i] > arr[j])
            {int t=arr[i];
                arr[i]=arr[j];
                arr[j]=t;}}}
        System.out.print("The sorted array: ");

        for(int i = 0; i < n; i++)
            System.out.print(arr[i]+" ");
    }

    public class Anonymous {
    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        int n=sc.nextInt();
        int[] a = new int [n];
        for(int i=0;i<n;i++)
        {a[i]=sc.nextInt();}
        new Arr().sort(a,n);}}
}
```

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122 56 36 76 23 98 50 12 309

The sorted array : 12 23 36 50 56 76 98 122 309

5.WAP to reverse a 6 digit number (123456)---à(654321)

```
package A;
import java.util.Scanner;
class Num{
    public void rev_num(int n)
    {int rev=0;
    while(n>0)
    {int rem=n%10;
    rev=rev*10+rem;
    n/=10;
    }
    System.out.print("The reverse number is: "+rev);
    }}

public class Anonymous {
public static void main(String[] args) {
    Scanner sc= new Scanner(System.in);
    int n=sc.nextInt();
    new Num().rev_num(n);}}
```

234789

The reverse number is: 987432