UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

EXPERIMENT-3

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BATCH: 1(CCVT)
SAP ID: 500123394
ROLL NO. : R2142231013
SUBJECT: OOPS
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Click to collapse the range.   ⮂ reversestr

```java
public class reversestr
{
    Run | Debug
    public static void main(String[] args)
    {
        String s = "This is decent";
        String[] words = s.split(regex:" ");
        String result = "";

        for (int i = words.length - 1; i >= 0; i--)
        {
            result += words[i];
            if (i > 0) result += " ";

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

J nonzero.java > ...

```java
public class nonzero
{
    Run | Debug
    public static void main(String[] args) {
        int[] nums = {0, 1, 0, 3, 12};
        int[] newarr = new int[7];

        int index = 0;
        for(int i=0; i<nums.length;i++)
        {
            if(nums[i]!=0)
            {
                newarr[index++]=nums[i];
            }
            while (index < nums.length) {
                newarr[index++] = 0;
            }
        }
        System.out.println(newarr);
}
}
```

```java
public class maxmin
{
    Run | Debug
    public static void main(String args[])
    {
        int[] nums = {1, 5, 7, 2, 9, 3};
        int max= 0;
        int min=1;
        for(int i=0; i<nums.length;i++)
        {
            if(nums[i]>max)
            {
            max= nums[i];
            }
            else if(nums[i]<min)
            {
            min= nums[i];
            }

            else
            continue;
        }

        System.out.println("max element is"+ max);
        System.out.println("min element is"+ min);
```

```java
public class majority{
    public static int findMajorityElement(int[] nums) {
        int candidate = nums[0], count = 0;


        for (int num : nums) {
            if (count == 0) {
                candidate = num;
            }
            count += (num == candidate) ? 1 : -1;
        }

        return candidate;
    }

    Run | Debug
    public static void main(String[] args) {
        int[] nums = {2, 2, 1, 1, 1, 2, 2};
        System.out.println("Majority Element: " + findMajorityElement(nums));
    }
}
```