Daily Work Practice: Date - 7/8/2023

```
Problem: Merge Sorted Arrays
package com.ishwarchavan;
import java.util.Arrays;
public class MergeSortedArrays {
    initializing arrays
        int[] nums2 = new int[] {2,5,6};
                                //declare and initialize values
        int m=3;
        int n=3;
        }
    parameter
        int[] nums1Copy =new int[m];
                                         //creating new variable
        for(int i=0; i<m; i++) {</pre>
                                //loop iterating
            nums1Copy[i]=nums1[i];
                                  //storing the indes value of
nums1 to this variable
                      //creating two pointer and initialozing with
        int pointer1=0;
0
        int pointer2=0;
        for(int i=0; i<m+n;i++) {    //loop iterating</pre>
            if(pointer2>=n || (pointer1<m &&</pre>
nums1Copy[pointer1] < nums2[pointer2])) { //if satisfied the condition then pass the
pointer1
                nums1[i]=nums1Copy[pointer1++];
                                                 //store the
value in numslcopyl and then increment pointer
           }else {
                executed this statement
            }
        System.out.println(Arrays.toString(nums1));
    }
}
Problem: Reverse Integer
package com.ishwarchavan;
public class ReverseNumber {
    reverse(123);
                                     // calling to the function
    System.out.println("Given x: "+x);
                   //declared and initialized the y variable
        int y= 0;
            while(x !=0) {
            y=y*10+rem;
            x = x/10;
                        //sroring x value
        System.out.println("Reversed x: "+y);
     }
```