Daily Work Practice:- Date – 5/9/2023

Program: Sum of number and it reverse

```
package com.ishwarchavan;

public class SumOfNumberReverse {        //class is created
      public static void main(String[] args) {     //main program is started
            int num = 440;

            boolean value = sumOfNumberAndReverse( num);   //calling function and store
the value
            System.out.println(value);      //display the value
       }
    public static boolean sumOfNumberAndReverse(int num) {   //function is created
        int reverse = 0;        //initialize and declare the variable

        if(num == 0) return true;   //checking and return the value
        for(int i = 0;i<num;i++){   //iterating the loop
            int number = i;

            while(number != 0)    //checking the condition
            {
                int remainder = number % 10;    //storing the remainder value
                reverse = reverse * 10 + remainder;
                number = number/10;
            }
            if(i+reverse == num){     //if this true then return true
                return true;
            }
            else{
                reverse = 0;     //otherwise
            }
        }
        return false;   //return false
    }

}
```

Program: Minimum number of operation to make all elements equal to 1

```
package com.ishwarchavan;
import java.util.*;

public class MinOpeToMakeAllEleEqual {    //class is created

      public static int minOperation (int arr[], int n) {         // function for
minimum operation

      HashMap<Integer, Integer> hash = new HashMap<Integer,Integer>();        // Insert
all elements in hash.

            for (int i=0; i<n; i++)     //loops iterating
                  if(hash.containsKey(arr[i]))
                        hash.put(arr[i], hash.get(arr[i])+1);
                  else hash.put(arr[i], 1);

            int max_count = 0;         //max count is initialized and declared
            Set<Integer> s = hash.keySet();

            for (int i : s)
                  if (max_count < hash.get(i))   //checking condition and storing it
value
                        max_count = hash.get(i);
```

```
            return (n - max_count);   //return the result value
      }
      public static void main(String[] args) {   //main program is started
            int arr[] = {1, 5, 2, 1, 3, 2, 1};
            int n = arr.length;
            System.out.print(minOperation(arr, n));     //calling and printing value

      }
}
```