NPM: 20204350 2846
Nama : Sandy Al Rasyid I
Kelas: S3R
Matakuliah: Pemrograman 3
NO.WA: 081217333000
TTd:

Jawaban UTS Pemrograman 3

1.)
```java
import java.util.Scanner;
Public class UTS_1{
    Public static void main (String[] args){
        String
        noKK, namakk, alamatkk;
        int i;

        Scanner a = new Scanner (System.in);
        System.out.Print("No. KK : "); noKK = a.nextLine();
        System.out.Print("Nama kk :"); namakk = a.nextLine();
        System.out.Print("Alamat    :"); alamatkk = a.next.Line();

        String [][] b = new Sering [i][5];
        System.out.Print("==========");

        for (int j = 0; j < i; j++){
            System.out.Print("NIK       :"); b[j][0] = a.nextLine();
            System.out.Print("Nama      :"); b[j][1] = a.nextLine();
            System.out.Print("L/P       :"); b[j][2] = a.nextLine();
            System.out.Print("Pendidikan :"); b[j][3] = a.nextLine();
            System.out.Print("Status    :"); b[j][4] = a.nextLine();
            System.out.Println();

        }

        System.out.Println("= = = = = = = = =");
        System.out.Println("        KARTU KELUARGA");
        System.out.Println("        Nomor.  " + noKK);
        System.out.Println("=============== ");
        System.out.Println("Kepala Keluarga  :  " + namakk);
        System.out.Println("Alamat         :  " + alamatkk);
        System.out.Println("===============");
```

```java
System.out.Println("No\t\t NIK\t\tNama\t\tJenis Kelamin\t Pendidikan\t Status");
For (int c = 0; c < i; c++){
    System.out.Println((c+1) + "\t\t" + b[c][0] + "\t\t" + b[c][1] +
                "\t\t" + b[c][2] + "\t\t" + b[c][3] + "\t\t" +
                b[c][4]);
    }
}
```

2.) NPM : 202043502846
Nama : Sandy.

1S 2A 3N 4D 5Y

```java
3.) import Java.io.FileOutputStream;
    import Java.io.PrintStream;
    import Java.util.Scanner;

    public class UTS_3{
        public static void main(String[] args){
            String x = "D:\\KULIAH\\SEMESTER 3\\PENROGRAMAN\\bmi.txt";
            try{
                FileOutputStream a = new FileOutputStream(x);
                PrintStream b = new PrintStream(a);
                Scanner c = new Scanner(System.in);

                System.out.Print("Jumlah Data : ");
                int i = Integer.ParseInt(c.nextLine());
                System.out.Println();
                For (int j = 0; j < i; j++){
                    System.out.Print("ID        : "); b.Print(c.nextLine() + "1");
                    System.out.Print("Tinggi    :"); b.Print(c.nextLine() + "1");
                    System.out.Print("Berat     :"); b.Print(c.nextLine() + "1");
                    System.out.Print("Nama      :"); b.Print(c.nextLine() + "\n");
                    System.out.Println();
                }

                b.close();
                System.out.Println("Berhasil");
            } catch (Exception e){
                System.out.Println("Ada error " + e.getMessage());
            }
        }
    }
```

```java
4.) import java.io.DataInputStream;
    import java.io.FileInputStream;

    public class UTS_4{
        public static void Main (String[] args){
            String x = "D:\\KULIAH\\SEMESTER 3\\PEMROGRAMAN\\bmi.txt";
            int i = 0;
            try {
                FileInputStream a = new FileInputStream (x);
                DataInputStream b = new DataInputStream (a);
                System.out.Println("No\tID\tNama\t\tTinggi (cm)\t\t Berat (kg)
                    \t\tkategori ");
                While (b.available () != 0) {
                    String c = b.readLine();
                    double V = Double.ParseDouble (c.substring (6,9)),
                        VV = Double.ParseDouble (c.substring (10,13)),
                        BMI = VV / ((V/100) * (V/100));

                    System.out.Printf ("%s \t%s \t%s \t%s \t%s \t%s \n",
                        ++i,
                        c.substring (0,5),
                        c.substring (14, c.length()),
                        (int) V,
                        (int) VV,
                        BMI >= 30 ? "Obesitas" : (BMI >= 25 ? "kelebihan BB" : (BMI >= 18.5 ? "Ideal" : "kekurangan BB")));
                }
            } catch (Exception e){
                System.out.Println ("error:" + e.getMessage());
            }
        }
    }
```