1.Practical1

```java
import java.util.*;
class practical1
{
        static boolean isprime(int n)
        {
                int c=0,i;
                for(i=1;i<=n;i++)
                {
                        if(n%i==0)
                                c++;
                }
                if(c==2)
                        return true;
                else
                        return false;
        }
        public static void main(String args[ ])
        {
                Scanner sc=new Scanner(System.in);
                int n,n1,n2,i,count=0,smallest=0,largest=0;
                do{
                        System.out.println("Enter n1");
                        n1=sc.nextInt();
                        System.out.println("Enter n2");
                        n2=sc.nextInt();
                        if(n2<n1)
                                System.out.println("n2 should be greater than n1");
                        if(n1 < 2)
```

```java
                System.out.println("The first number should be greater or equal to 2");


            if(n2 > 100)


                System.out.println("The second number should be less or equal to 100");


            if(n2 - n1 < 35)


                System.out.println("The Difference of the two numbers should be greater than or equal to 35");


        }while(n1 < 2 || n2 > 100 || n2 - n1 < 35||n2 < n1);



        System.out.println("Prime nos from range n1 to n2 are:");
        for(n=n1;n<=n2;n++)
        {
            boolean x=isprime(n);
            if(x==true)
            {
```

```java
                count++;
                System.out.println(n);
                if(count==1)
                        smallest=n;
                else
                        largest=n;
        }


}
System.out.println("Smallest="+smallest);
System.out.println("Largest="+largest);
System.out.println("Count of prime numbers:"+count);




int f=smallest,s=largest,t=0;
System.out.println("Fibonacci series till "+count+"th term");
for(i=1;i<=count;i++)
{
        if(i==1)
        {
                System.out.println(f);
        }
        else if(i==2)
        {
                System.out.println(s);
        }
        else
        {
                t=f+s;
```

```java
				System.out.println(t);

				f=s;

				s=t;

			}

		}

		System.out.println("Last term of fibo series:"+t);

	}

}
```