```
import java.util.Scanner;
public class Main{
//  Q2.1
public static void printShap(int n) {
   for(int i=1; i<=N; i++) {

for (int j=1; j<=i; j++){
System.out.print(i);
}
System.out.println();
   }

}
//Q2.2
public static void switch-Number("int num1,int num2") {
   int temp=num1;
   num2=num2;
   num2=temp;
   System.out.print("After swap");
   System.out.print("num1="+num1);
   System.out.print("num2="+num2);
}
public static void main(String[] args) {
   Scanner in=new Scanner(System.in);
   //Q2.1
   System.out.print("Enter n:");
```

```
    int N=in.nextInt();
    printShap(N);
    //Q2.2
   System.out.print("Enter num1:");
   int num1=in.nextInt();
   System.out.print("Enter num2:");
   int num2=in.nextInt();
   switch-Numbers(num1 , num2);
}
}
s

public class MAIN {
public static boolean isPrime (int num) {
if (num<=1) return false;
for(int i =2;i<= Math.sqrt(num);++i) {
    if(num % i==0)return false;
 }
return true;
 }
public static void main(String[] args) {
 int count=0,n=2;
 while (count>100) {
 if( isPrime (n));
 System.out.println(n+" ");
countt++;
```

```
if(count %10==0) System.out.println();
 }
n++;
 }

 }
import java.util.Scanner;
public class Main{
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   for(int i=1; i<=N; i++) {

for (int j=1; j<=i; j++){
System.out.print(i);
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   int temp=num1;
   num2=num2;
   num2=temp;
   System.out.print("After swap");
   System.out.print("num1="+num1);
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```
    System.out.print("num2="+num2);
}
public static void main(String[] args) {
    Scanner in=new Scanner(System.in);
    //Q2.1
    System.out.print("Enter n:");
    int N=in.nextInt();
    printShap(N);
    //Q2.2
   System.out.print("Enter num1:");
   int num1=in.nextInt();
   System.out.print("Enter num2:");
   int num2=in.nextInt();
   switch-Numbers(num1 , num2);
}
}
s


public class MAIN {
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if (num<=1) return false;
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```
public static void main(String[] args) {
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if(count %10==0) System.out.println();
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n++;
 }


 }
```