```java
//to find if a number is lucky or not
import java.util.Scanner;
class
lucky_number
//class starts
{
    public static void
main()                                              //main starts
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Input the value of n");
        int n=sc.nextInt();
        int a[]=new int[n];
        int b[]=new int[n];
        int c;
        System.out.println("Lucky numbers
are");                                  //to find lucky numbers
        for(int i=0;i<n;i++)
        {
            a[i]=i+1;
        }
        c=0;
        int P=2;
        while(P<=n)
        {
            for(int i=0;i<n;i++)
            {
                if((i+1)%P!=0)
                b[c++]=a[i];
            }
            for (int j=0;j<c;j++)
            a[j]=b[j];
            n=c;
            P++;
            c=0;
        }
        for(int j=0;j<n;j++)
        System.out.println(a[j]+"");

}
    //main ends
}
        //class ends
```