```java
package com.example.mndlab1;

import ...

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void ferma(View view) {

        EditText edNumber = findViewById(R.id.editTextNumber);
        TextView tw = findViewById(R.id.textView2);
        int number = Integer.parseInt(edNumber.getText().toString());
        String ans = "";
        long timeStart=System.nanoTime();

        while (number % 2 == 0) {
            ans += 2 + " ";
            number /= 2;
        }
        if (isSimple(number)) {
            ans += number;
        } else ans += factorize(number);
        if ((System.nanoTime()-timeStart)>(Math.pow(10,9))){
            Snackbar.make(view, text: "Час виконання програми"+(System.nanoTime()-timeStart),Snackbar.LENGTH_LONG).show();
        }
        else tw.setText(ans);
    }

    public static boolean perfectSquare(int x) {
        return Math.pow((int) Math.sqrt(x), 2) == x;
    }

    public static String factorize(int number) {

        int x = (int) Math.ceil(Math.sqrt(number));
        String ans = "";
        while (!perfectSquare( x: x * x - number)) {
            x += 1;
        }
        int y = (int) Math.sqrt(x * x - number);

        int[] s = {x - y, x + y};
        if (isSimple(s[0])) {
            ans += s[0] + " ";
        } else ans += factorize(s[0]);

        if (isSimple(s[1])) {
            ans += s[1] + " ";
        } else ans += factorize(s[1]);
        return ans;
    }

    public static boolean isSimple(int num) {
        for (int i = 2; i < num; i++) {
            if (num % i == 0) return false;
        }
        return true;
    }
}
```