```
package com.example.bmicalculator

import android.os.Bundle
import android.widget.*
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

    private lateinit var etWeight: EditText
    private lateinit var etHeight: EditText
    private lateinit var btnCalculate: Button
    private lateinit var tvResult: TextView

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        // Bind views
        etWeight = findViewById(R.id.etWeight)
        etHeight = findViewById(R.id.etHeight)
        btnCalculate = findViewById(R.id.btnCalculate)
        tvResult = findViewById(R.id.tvResult)

        // Set button click listener
        btnCalculate.setOnClickListener {
            val weightStr = etWeight.text.toString()
            val heightStr = etHeight.text.toString()
```

```
        if (weightStr.isEmpty() || heightStr.isEmpty()) {
            Toast.makeText(this, "Please enter both height and weight",
Toast.LENGTH_SHORT).show()
            return@setOnClickListener
        }

        try {
            val weight = weightStr.toFloat()
            val heightInCm = heightStr.toFloat()
            val heightInMeter = heightInCm / 100

            val bmi = weight / (heightInMeter * heightInMeter)
            val category = when {
                bmi < 18.5 -> "Underweight"
                bmi < 24.9 -> "Normal weight"
                bmi < 29.9 -> "Overweight"
                else -> "Obese"
            }

            val result = "BMI: %.2f\nCategory: %s".format(bmi, category)
            tvResult.text = result
        } catch (e: NumberFormatException) {
            Toast.makeText(this, "Invalid input",
Toast.LENGTH_SHORT).show()
        }
    }
}
```

}