## **MODUL 9**

# **ABSTRACT CLASS**

## PRAKTIKUM PEMROGRAMAN BERORIENTASI OBJEK

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NIM : L200180066

Kelas: B

## ❖ 9.1 OBJECT CLASS ABSTRACT

➤ Program 1. Contoh class abstract

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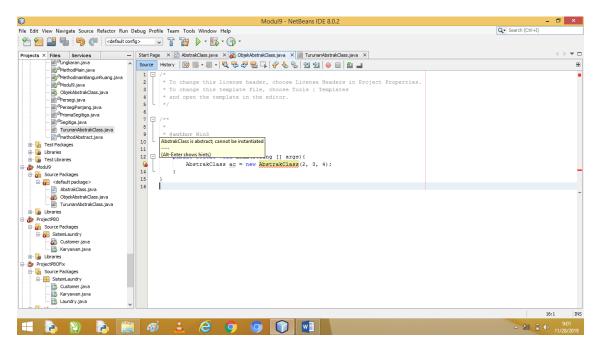
> Program 2. Class abstract tidak dapat dibuat objectnya

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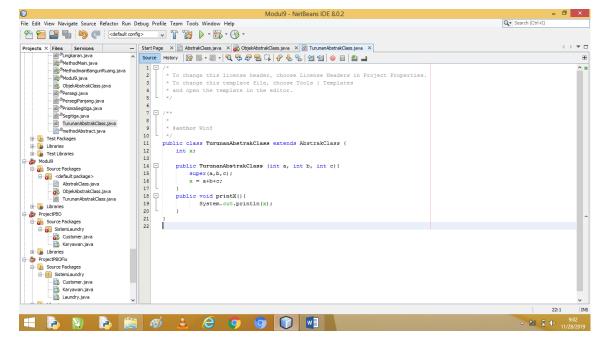
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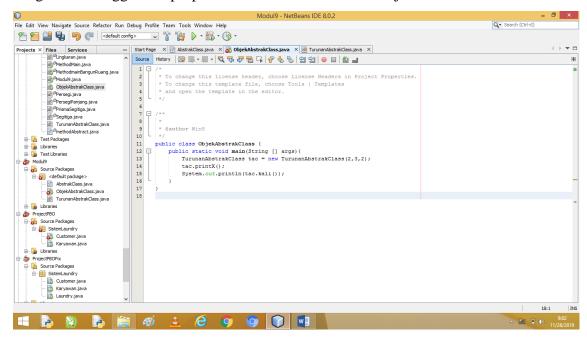


Jika kita menjalankan kode Program 2, maka bisa dipastikan terjadi kesalahan (error). Error muncul disebabkan karena ada pembuatan objek dari class AbstractClass. Sehingga untuk menggunakan class abstract agar bisa diimplementasikan kita perlu membuat kode program yang merupakan turunan dari class abstract tersebut.

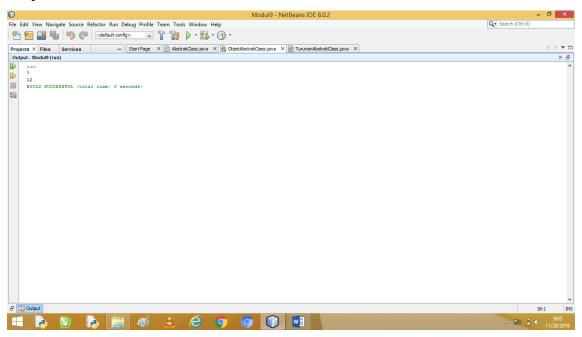
# ➤ Program 3. Implementasi class abstract melalui subclass



> Program 4. Penggunaan properties class abstract melalui object subclass



# Output:



## ❖ 9.2 METHOD ABSTRACT

> Program 5. Class yang mengandung method abstract

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> Program 6. Implementasi method abstract oleh subclass

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Program 7. Penggunaan properties method abstract melalui object subclass

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## ❖ 9.3 LATIHAN

Class PersegiPanjang

Class JajarGenjang

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➤ Class Lingkaran

# ➤ Class Segitiga

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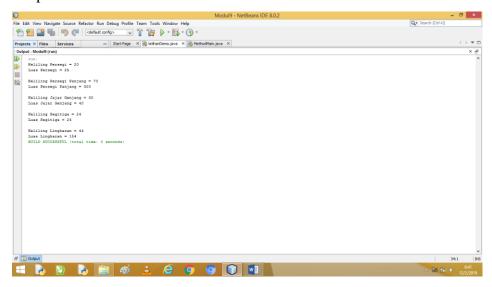
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Class latihanDemo (main class)

➤ Output:



## ❖ 9.4 TUGAS

➤ Class BangunRuang (Abstract Class)

### ➤ Class Balok

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### ➤ Class Kubus

#### Class Bola

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## ➤ Class Kerucut

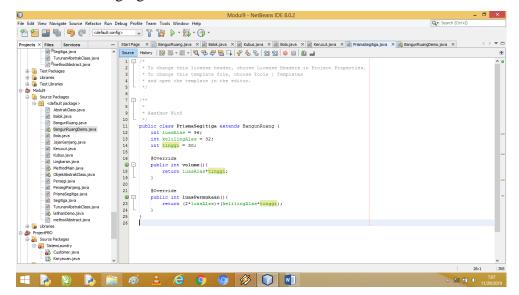
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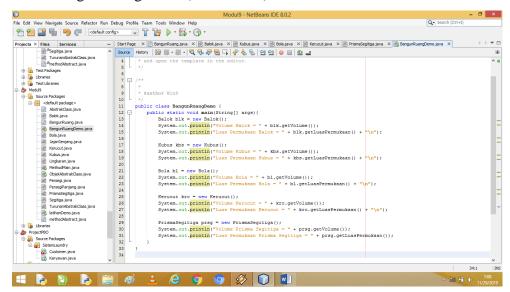
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## Class PrismaSegitiga



Class BangunRuangDemo (Main Class)



➤ Output:

