Tugas Introduction Basic Programming

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Instruktur/Pengajar – Trino Hutasoit

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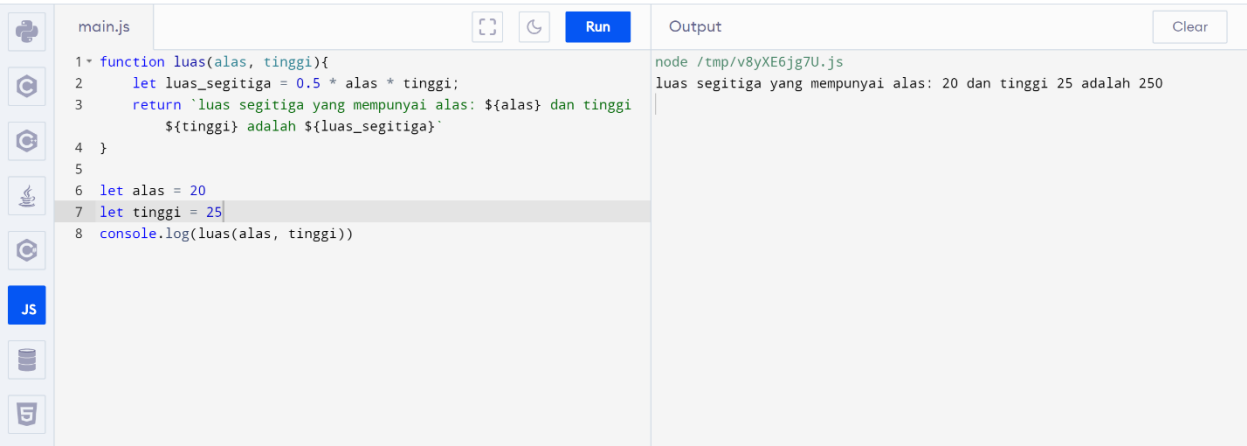
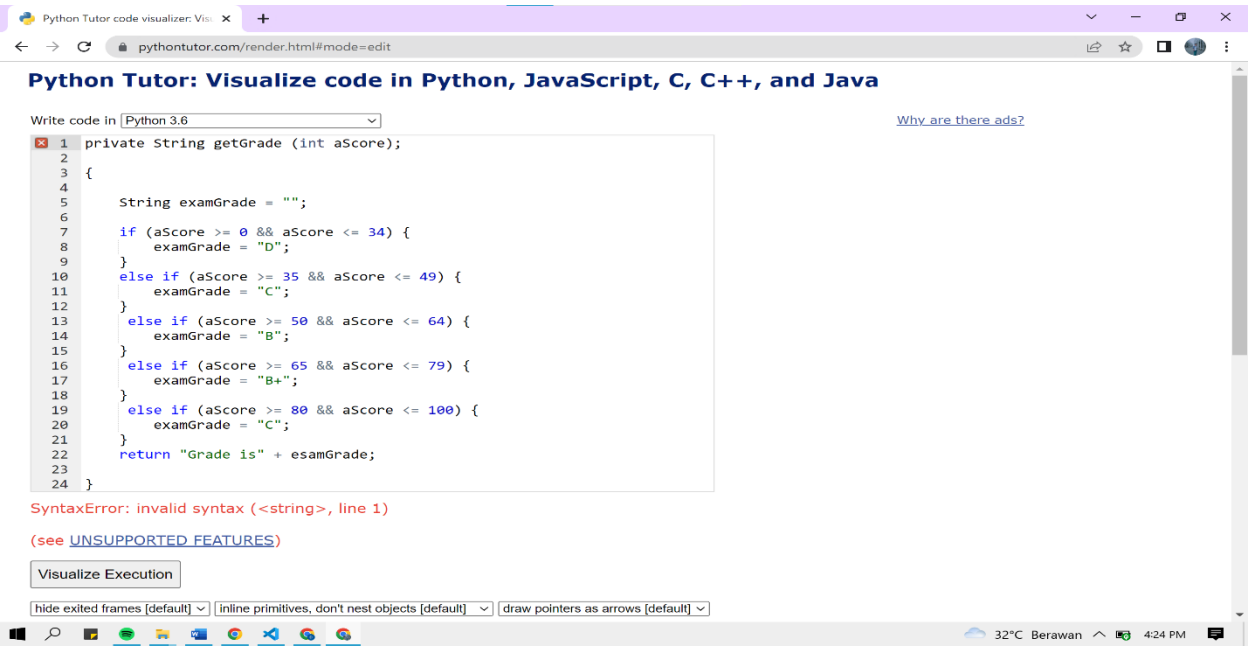
1. Menghitung Luas Segitiga



2. Konversi Nilai



3. Faktor Bilangan

```php
<?php

$angka  = 20;
$arr    = [];
for ($i = 1; $i <= $angka; ++$i)
{
    if ($angka % $i == 0)
        $arr[] = '<b>'.$i.'</b>';
}

echo 'Faktor dari angka <b>'.$angka.'</b> adalah '.implode(', ', $arr);

?>
```

Faktor dari angka **20** adalah **1**, **2**, **4**, **5**, **10**, **20**

```php
<?php

$angka  = 6;
$arr    = [];
for ($i = 1; $i <= $angka; ++$i)
{
    if ($angka % $i == 0)
        $arr[] = '<b>'.$i.'</b>';
}

echo 'Faktor dari angka <b>'.$angka.'</b> adalah '.implode(', ', $arr);

?>
```

Faktor dari angka **6** adalah **1**, **2**, **3**, **6**

4. Faktor bilangan

Python Tutor: Visualize code in Python, JavaScript, C, C++, and Java

Java 8
(known limitations)

```
1  import java.util.Scanner;
2  public class carifaktor
3  {
4      public static void main(String[] args)
5      {
6          int bilangan;
7          Scanner input = new Scanner(System.in);
8          System.out.print("20 : ");
9          bilangan = input.nextInt();
10         System.out.print("Faktor dari " + bilangan + "
11         for(int i=1;i<=bilangan;i++)
12         {
13             if(bilangan%i == 0)
14             {
15                 System.out.print(i + " ");
16             }
17         }
18     }
19 }
```

Edit this code

line that just executed
next line to execute

Print output (drag lower right corner to resize)

Frames Objects

main:7

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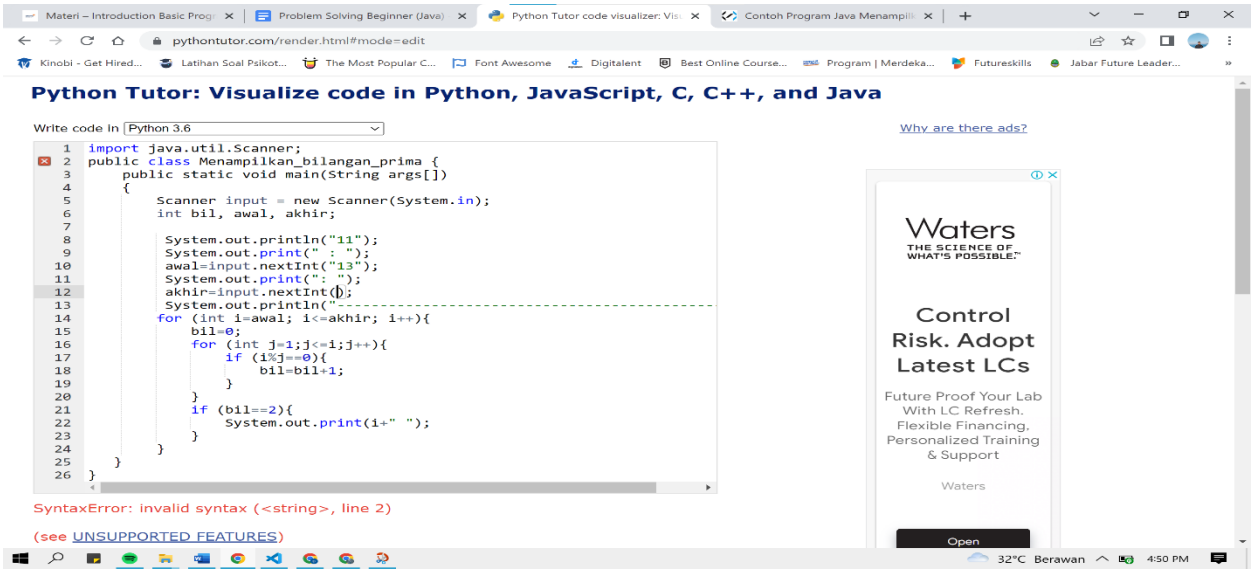
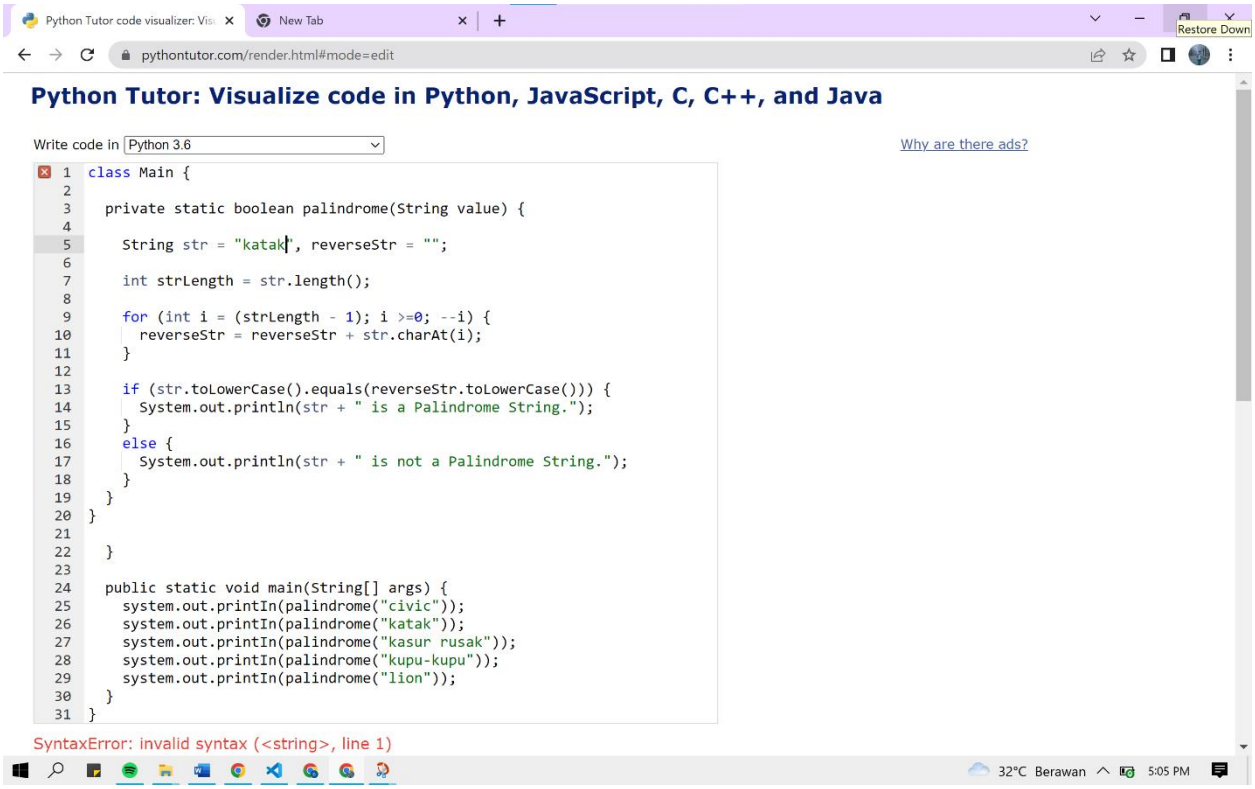
5. Bilangan Prima



6. Palindrome



Branching

1.