## Tugas Pemrograman Berbasis Objek Virtual Class 10

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## 1. Hexadecimal ke Decimal

```
VClass 10 - heksadesimal.java
     public class heksadesimal {
              System.out.print("Masukan Bilangan HEX = ");
              Scanner s = new Scanner(System.in);
              String kata = s.nextLine();
              String a = kata.toLowerCase();
              char[] ch = new char[a.length()];
     char[] hex = new char[] { 'a', 'b', 'c', 'd', 'e', 'f', '1', '2', '3', '4', '5', '6', '7', '8', '9' };
                   boolean status = false;
for (int j = 0; j < ch.length; j++) {
  for (int i = 0; i < hex.length; i++) {
                             if (ch[j] == hex[i]) {
                                  status = true;
                         // mengubah array char kedalam bentuk decimal
System.out.print("Ouput : " + Integer.parseInt(a, 16));
                    System.out.println("Output : Input Bukan Bilangan HEX");
```

```
Masukan Bilangan HEX = AAF
Ouput : 2735
```

Masukan Bilangan HEX = AAG Output : Input Bukan Bilangan HEX

## 2. Pola Diamond

```
VClass 10 - diamond.java
   import java.util.Scanner;
               System.out.print(" ");
       public void p2(int a) {
                   System.out.print("*");
                   System.out.print("*");
   public class diamond {
       public static void main(String[] args) {
           System.out.print("Masukan sebuah bilangan : ");
           cetak c = new cetak();
           Scanner s = new Scanner(System.in);
           int n = s.nextInt();
           assert n > 0:"Bilangan tidak boleh negatif";
               System.out.println("");
               c.p1(n - i);
               c.p2(i);
               c.p1(n - i);
               System.out.println("");
           s.close();
```

## 3. Banner Nama

```
vClass 10 - banner.java

import javax.swing.JFrame;

public class banner {
    private pengaturan atur;
    public banner() {
        JFrame frame = new JFrame();
        atur = new pengaturan();
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setBounds(80, 50, 460, 150);
        frame.add(atur);
        frame.setVisible(true);
        new Thread(atur).start();
}

public static void main(String[] args) {
        banner banner = new banner();
}
```

