

Question **1**

Correct

Mark 1.00 out of 1.00

Bagaimana cara menginisialisasi array `int[] arr` dengan angka {3, 6, 9, 12, 15} dalam satu baris kode?

Answer: `int[] arr = {3,6,9,12,15};`

The correct answer is: `int[] arr = {3, 6, 9, 12, 15};`

Response history

Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 15:46	Saved: <code>int[] arr = new int[5] {3,6,9,12,15};</code>	Answer saved	
3	15/04/25, 15:56	Saved: <code>int[] arr = {3,6,9,12,15};</code>	Answer saved	
4	15/04/25, 18:14	Attempt finished	Correct	1.00

Question 2

Correct

Mark 1.00 out of 1.00

```

public class DecimalToOctalConverter {

    // Metode rekursif untuk mengonversi bilangan desimal positif ke oktal
    public static String decimalToOctal(int n) {
        if (n == 0) {
            return "";
        }
        return decimalToOctal(n/8) + (n % 8); // LENGKAPI POTONGAN PROGRAM INI
    }

    public static void main(String[] args) {
        int number = 10; // Contoh bilangan positif
        String octal = decimalToOctal(number);

        // Jika hasilnya kosong (untuk n = 0), set menjadi "0"
        if (octal.isEmpty()) {
            octal = "0";
        }

        System.out.println("Oktal dari " + number + " adalah: " + octal);
    }
}

```

Handwritten notes: A blue circle highlights the recursive call and the comment. A blue box highlights the recursive call argument. A blue arrow points from the box to the text "Lengkapilah potongan kode yang hilang!". A blue circle highlights the text "Lengkapilah potongan kode yang hilang!". A blue arrow points from the circle to the text "Lengkapilah potongan kode yang hilang!".

Lengkapilah potongan kode yang hilang!

* expected output adalah: **Oktal dari 10 adalah 12**

** tulis jawaban dengan benar tanpa spasi [" "]

Answer:

The correct answer is: n/8

Response history

Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 15:47	Saved: n/8	Answer saved	

Step	Time	Action	State	Marks
3	15/04/25, 18:14	Attempt finished	Correct	1.00

Question 3

Correct

Mark 1.00 out of 1.00

```

1: public class ExampleB {
2:   int i = 10;      static int i = 10;
3:   static int k = 9;
4:   public static void main(String[] args){
5:       ExampleB b = new ExampleB();
6:       int j = i;    int i;
7:       b.exampleMethod();    b.i;
8:   }
9:   public void exampleMethod(){
10:       i = i + k ;
11:   }
12:}

```

Pada code di atas, terjadi kesalahan pada baris ke-...

Answer:

The correct answer is: 6

Response history

Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 15:59	Saved: 6	Answer saved	
3	15/04/25, 18:14	Attempt finished	Correct	1.00

Question **4**

Correct

Mark 1.00 out of 1.00

Lengkapi code **soal (b)** untuk method **turnOff** sesuai deskripsi yang diberikan berikut ini.

Class Radio memiliki 2 instance variable: volumeLevel (yang menunjukkan volume radio) dan on (yang menunjukkan apakah radio dalam keadaan menyala atau tidak). Method turnOn() berfungsi untuk menyalakan radio. Method **turnOff()** untuk mematikan radio. Method volumeUp() untuk menambahkan volume radio sebanyak 1 level. Method volumeDown() untuk mengurangi volume radio sebanyak 1 level. Range level volume adalah 0-15. Volume radio bisa ditambahkan atau dikurangi ketika radio dalam keadaan menyala.

```
public class Radio{
    int volumeLevel;
    boolean on;

    // Soal (a)
    public void turnOn(){    turnOn(boolean on)
        this.on = true
    }

    // Soal (b)
    public void turnOff(){
        on = false ;
    }

    public void volumeUp(){
        if(on && volumeLevel < 15) volumeLevel++;
    }

    public void volumeDown(){
        if(on && volumeLevel > 0) volumeLevel--;
    }
}
```

1. Parameter method
2. field objectnya

1. field objectnya (pake this.)
2. parameter methodnya

Tuliskan jawaban Anda untuk **soal (b)** disini. Jangan menggunakan spasi dalam jawaban.

Response history

Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 16:00	Saved: part 1: on=false;	Answer saved	
3	15/04/25, 18:13	Saved: part 1: on=false	Answer saved	
4	15/04/25, 18:14	Attempt finished	Correct	1.00

Question 5

Correct

Mark 1.00 out of 1.00

Perhatikan program berikut ini. Apa yang akan dicetak pada baris ke-27 ?

```
1 public class MyClass{
2     static int a;
3     int b;
4
5     public MyClass(){
6         a++;
7         mysteryB();
8     }
9     public MyClass(int x){
10        b = x;
11        a++;
12        mysteryB();
13    }
14
15    public static void main(String[] args){
16        int a = 4;
17        System.out.println(a);
18
19        mysteryA();
20        MyClass obj1 = new MyClass();
21        obj1.mysteryB();
22        MyClass obj2 = new MyClass(5);
23        obj2.mysteryB();
24        MyClass.a++;
25        MyClass.mysteryA();
26        System.out.println(obj1.a);
27        System.out.println(obj2.a); //baris ke-27
28    }
29    public static void mysteryA(){
30        a++;
31    }
32    public void mysteryB(){
33        b++;
34        a += 3;
35    }
36 }
```

Answer: 17

The correct answer is: 17

Response history

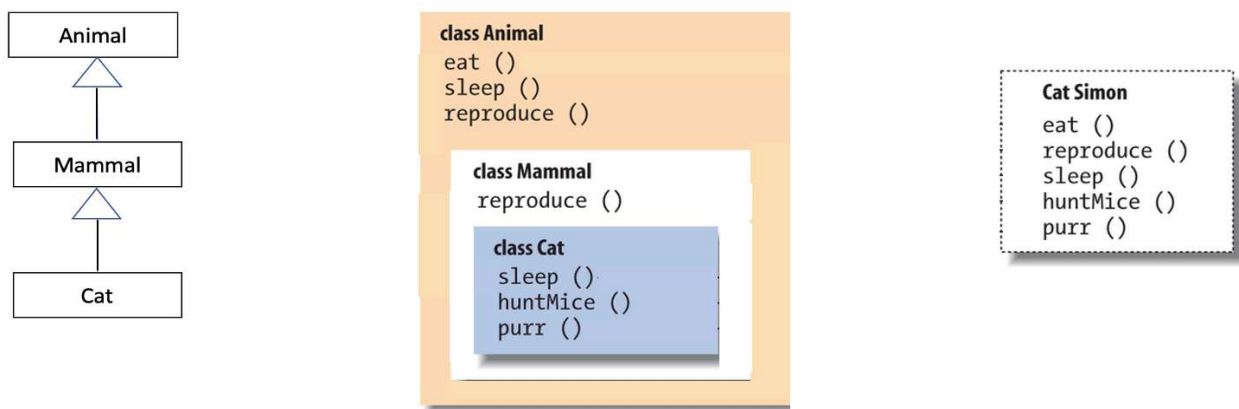
Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 16:52	Saved: 17	Answer saved	
3	15/04/25, 18:14	Attempt finished	Correct	1.00

Question **6**

Correct

Mark 1.00 out of 1.00

Perhatikan gambar berikut ini:



Ketika **object Cat bernama Simon** memanggil method **sleep()** (**simon.sleep()**). Implementasi method pada **class** apa yang dipanggil? (Jawaban berupa nama **class**)

Answer:

The correct answer is: Cat

Response history

Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 15:52	Saved: Cat	Answer saved	
3	15/04/25, 18:14	Attempt finished	Correct	1.00

Question **7**

Correct

Mark 1.00 out of 1.00

apa luaran(*output*) akhir dari program ini jika dilakukan pemanggilan *method* **proses2(5)**

```
void proses2(int N) {  
    int total = 0;  
    for (int i = 0; i < 1000; i++) {  
        for (int j = N; j > 0; j -= N) {  
            for (int k = i; k < N; k++) {  
                total++;  
            }  
        }  
    }  
    System.out.println(total);  
}
```

Answer:

The correct answer is: 15

Response history

Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 15:55	Saved: 15	Answer saved	
3	15/04/25, 18:14	Attempt finished	Correct	1.00

Question **8**

Correct

Mark 1.00 out of 1.00

```

public class CallFoo
{
    public static void main(String[] args)
    {
        MyFoo f1 = new MyFoo();
        System.out.println(f1.calcB(4,4,-5,4));
    }
}

class MyFoo{
    private int b1 = 10;
    private int b3 = -4;

    public double calcB(int b1, int b2, int b3, int b4)
    {
        return Math.sqrt(Math.pow(b2 - b1, 2) + Math.pow(b4 - this.b3, 2));
    }
}

```

Potongan code di atas menunjukkan implementasi dari hidden data field. Tuliskan apa luaran dari program di atas jika dijalankan.

Answer:

The correct answer is: 8

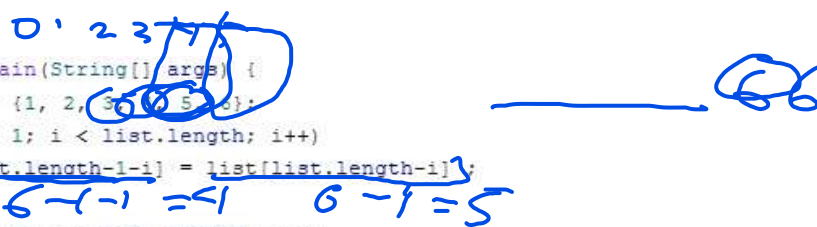
Response history

Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 16:46	Saved: 8.0	Answer saved	
3	15/04/25, 18:14	Attempt finished	Correct	1.00

Question 9

Correct

Mark 1.00 out of 1.00



```

public static void main(String[] args) {
    int list[] = {1, 2, 3, 4, 5, 6};
    for (int i = 1; i < list.length; i++)
        list[list.length-1-i] = list[list.length-i];
    for (int i = 0; i < list.length; i++)
        System.out.print(list[i] + " ");
}

```

Apakah luaran (*output*) dari program di atas?

Answer: 6 6 6 6 6 6

The correct answer is: 6 6 6 6 6 6

Response history

Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 16:05	Saved: 6 6 6 6 6 6	Answer saved	
3	15/04/25, 18:14	Attempt finished	Correct	1.00

Question **10**

Correct

Mark 1.00 out of 1.00

Kata khusus apa (**keyword**) apa yang digunakan untuk memanggil implementasi **method** yang ada pada **parent class**?

Answer:

The correct answer is: super

Response history

Step	Time	Action	State	Marks
1	15/04/25, 15:45	Started	Not yet answered	
2	15/04/25, 16:05	Saved: super	Answer saved	
3	15/04/25, 18:14	Attempt finished	Correct	1.00