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Marks 37.00/40.00

Grade 9.25 out of 10.00 (93%)

Question 1

Correct

Mark 1.00 out of 1.00

What does the following code print out:

```
int a = 20;
int b = 30;
if (a < b) {
    a = b;
}
else {
    a--;
}
System.out.println(a);
```

Answer: 30



The correct answer is: 30

Question 2

Correct

Mark 1.00 out of
1.00

```
1 package uts;
2
3 public class ArrayExample {
4
5     public static void main(String[] args) {
6
7         int sum = 0; int[] nilai = {87, 100, 98, 45, 79};
8
9         for (int i=1; i < nilai.length; i+=2) {
10             sum += nilai[i];
11         }
12         System.out.print(sum);
13     }
14 }
```

What is the output of the program above?

Select one:

- ☐ There is no output produced
- ☒ 145 ✓
- ☐ 264
- ☐ The program above cannot be compiled
- ☐ 409

Your answer is correct.

The correct answer is: 145

Question 3

Correct

Mark 1.00 out of
1.00

```
1 package uts;
2
3 public class StringArrayExample {
4
5     public static void main(String[] args) {
6
7         String virus = "severe acute respiratory syndrome corona virus 2 ";
8         String[] vrs = virus.split(" ");
9
10        for (String v : vrs) {
11            System.out.print(v.toUpperCase().charAt(0));
12        }
13    }
14 }
```

What is the output of the program above?

Select one:

- ☒ a. SARSCV2 ✓
- ☐ b. sarscv2
- ☐ c. 2VCSRAS
- ☐ d. There is no output produced
- ☐ e. The program above cannot be compiled

Your answer is correct.

The correct answer is: SARSCV2

Question 4

Correct

Mark 1.00 out of
1.00

What does the following code print out:

```
int [][] numbers={{10,20,30},{5,10,15},{100,200,300}};
for(int i=0;i<3;i++){  i = 0, 1, 2
    for (int j=i+1;j<3;j++){  j = 1, 2
        if (numbers[i][i]<numbers[j][j]){
            numbers[i][i]= numbers[i][i]+20;
        }  numbers[0][0] = 10 + 20 = 30
            numbers[1][1] = 10 + 10 = 30
    }
}
System.out.print(numbers[1][1]+numbers[1][0]);
                30 + 5 = 35
```

Answer: 35



The correct answer is: 35

Question 5

Incorrect

Mark 0.00 out of
1.00

What is the output of this code?

```
int i=2;
int [] data = {10,15,20,25,30};
System.out.print(data[data.length-i]);
                5 - 2 = 3
```

Select one:

- ☒ a. 25
- ☐ b. 15
- ☐ c. 30 ✗
- ☐ d. 20
- ☐ e. 10

Your answer is incorrect.

The correct answer is: 25

Question 6

Correct

Mark 1.00 out of 1.00

Which of the following choices is the correct syntax for declaring/initializing an array of 5 integers?

Select one:

- ☒ a. `int [] a = new int [5];` ✓
- ☐ b. `int [5] a = new int ();`
- ☐ c. `int a = new int [5];`
- ☐ d. `int [5] a = new int [];`
- ☐ e. `int [] a = new int (5);`

Your answer is correct.

The correct answer is: `int [] a = new int [5];`

Question 7

Correct

Mark 1.00 out of 1.00

What does the following code print out:

```
int i=2;
int [] data = {10,15,20,25,30};
data[i] =100; data[2] = 100
i =data [2]; i = 100
System.out.print(data[2]+i);
               100 + 100 = 200
```

Answer: 200 ✓



The correct answer is: 200

Question 8

Correct

Mark 1.00 out of
1.00

What does the following code print out:

```
int c = 5;
for (int i = 0; i <= c; i++) {
    if (i%2==1){
        System.out.print("*");
    }
    else{
        System.out.print("#");
    }
}
```

nol = #
ganjil = *
genap = #

Answer: #####



The correct answer is: # # #

Question 9

Correct

Mark 1.00 out of 1.00

```

1 package uts;
2
3 public class ArrayExample2 {
4
5     public static void main(String[] args) {
6
7         String[] proglang = {"Alice", "Bertrand", "Cecil"};
8
9         for (String nama : proglang) {
10             nama += ", S.Kom.";
11         }
12         for (String nama : proglang) {
13             System.out.print(" " + nama);
14         }
15     }
16 }

```

Ini ngga ngaruh karena hasilnya ngga ditangkap ke dalam array baru

What is the output of the program above?

Select one:

- ☐ a. Alice, S.Kom. | Bertrand, S.Kom. | Cecil, S.Kom. |
- ☐ b. There is no output produced
- ☐ c. The program above cannot be compiled
- ☐ d. Alice | Bertrand | Cecil |
- ☒ e. Alice Bertrand Cecil ✓

Your answer is correct.

The correct answer is: Alice Bertrand Cecil

Question 10

Incorrect

Mark 0.00 out of 1.00

What does the following code print out:

```

String A = "Hello :)";
String B = "125";
String C = "";
C = A;   "Hello :)"
A = B;   "125"
B = C;   "Hello :)"
System.out.println(B);

```

Answer: Hello Hello :) ✗

The correct answer is: Hello :)

Question 11

Correct

Mark 1.00 out of 1.00

What is the default primitive data type for decimal values?

Answer: double



The correct answer is: double

Question 12

Correct

Mark 1.00 out of 1.00

What is the data type you would need to store truth values (true/false)?

Answer: boolean



The correct answer is: boolean

Question 13

Correct

Mark 1.00 out of 1.00

What does the following code print out:

```
String [] name={"John Lenon", "Ferguso Ahmad Raihan",  
               "Rihana Noor", "Fero Nika Niro"};  
String myName="";  
for (int i=0; i<name.length; i++){  
    String [] partNames = name[i].split(" ");  
    if (i%3==0){  
        myName = myName + " "+partNames[0].charAt(0)+". "+ partNames[partNames.length-1];  
    }  
}  
System.out.print(myName);
```

i
0 ✓
1 ✗
2 ✗
3 ✓

Answer: J.Lenon F.Niro



The correct answer is: J. Lenon F. Niro



Question **14**

Correct

Mark 1.00 out of
1.00

What is the result of the following expression?

$8 + 6 * -2 + 4 + "0" + (2 + 5)$

Answer: 007 ✓



The correct answer is: 007

Question **15**

Correct

Mark 1.00 out of
1.00

What is the result of the following expression?

$"2000" + (10 - 2) * 2 + 10$

Selesaikan perkalian dulu baru penjumlahan. Penjumlahan dari kiri ke kanan. Karena di penjumlahan paling depan ada String, maka semua penjumlahannya berubah jadi String

Answer: 20001610 ✓



The correct answer is: 20001610

Question 16

Correct

Mark 1.00 out of
1.00

```
1 package uts;
2
3 public class ArrayExample2 {
4
5     public static void main(String[] args) {
6
7         String[] proglang = {"Alice", "Bertrand", "Cecil"};
8
9         for (int i=0; i < proglang.length; i++) {
10             proglang[i] += ", S.Kom.";
11         }
12         for (String nama : proglang) {
13             System.out.print(nama + "|");
14         }
15     }
16 }
```

Nah ini baru ngaruh, karena hasilnya ditangkap lagi ke dalam array proglang

What is the output of the program above?

Select one:

- ☐ a. Alice | Bertrand | Cecil |
- ☐ b. The program above cannot be compiled
- ☐ c. Alice Bertrand Cecil
- ☒ d. Alice, S.Kom. | Bertrand, S.Kom. | Cecil, S.Kom. |
- ☐ e. There is no output produced

Your answer is correct.

The correct answer is: Alice, S.Kom. | Bertrand, S.Kom. | Cecil, S.Kom. |

Question 17

Correct

Mark 1.00 out of
1.00

What is the result of the following expression?

10+4/3+12*2

10 + 1 + 24 + 35

Answer: 35



The correct answer is: 35

Question 18

Correct

Mark 1.00 out of
1.00

```
1 package uts;
2
3 public class StringExample {
4
5     public static void main(String[] args) {
6         String s1 = "Abdullah Gymnastiar Abdoerrani";
7
8         String[] hasilSplit = s1.split(" ");
9
10        for (int i = hasilSplit.length-1; i > 0 ; i--) {
11            System.out.println(hasilSplit[i]);
12        }
13    }
14 }
```

Handwritten annotations: A bracket above line 10 spans from `hasilSplit.length-1` to `i > 0` with the number "2" written above it. To the right of the code, the variable `i` is written vertically with the values "2" and "1" next to it, corresponding to the loop iterations.

What is the output of the program above?

Select one:

- ☐ a. The program above cannot be compiled
- ☐ b. The code would produce an `ArrayIndexOutOfBoundsException`
- ☐ c. There is no output produced
- ☒ d. Gymnastiar ✓✗
- ☒ e. Abdoerrani ✓

Your answer is correct.

The correct answer is: Abdoerrani

Question 19

Correct

Mark 1.00 out of 1.00

```

1 package uts;
2
3 public class Stars {
4
5     public static void main(String[] args) {
6
7         for (int i = 0; i < 4; i++) {
8             for (int j = 0; j <= i; j++) {
9                 System.out.print(" *");
10            }
11            System.out.println();
12        }
13    }
14 }

```

What is the output of the program above?

Select one:

☐ * * * *

 * * *

 * *

 *

☐ * * * *

 * * * *

 * * * *

 * * * *

☒ *

 * *

 * * *

 * * * *

☐ The program above cannot be compiled

☐ There is no output produced

Your answer is correct.

The correct answer is: *

* *

* * *

* * * *

Question 20

Correct

Mark 1.00 out of
1.00

```
1 package uts;
2
3 public class ForExample {
4
5     public static void main(String[] args) {
6
7         int i = 2;
8
9         for (System.out.println("Mari kita mulai!");
10             i < 7;
11             System.out.println("Ini adalah akhir dari loop. ")) {
12
13             System.out.println("Nilai i sekarang: " + i);
14             i+=2;
15         }
16     }
17 }
```

How many lines of output would the program above produce?

Select one:

- ☐ a. The program above cannot be compiled
- ☐ b. There is no output produced
- ☒ c. 5 ✓
- ☐ d. 3
- ☐ e. 2

Your answer is correct.

The correct answer is: 5

Question 21

Correct

Mark 1.00 out of
1.00

Which of the following lines of code creates a variable to store the integer 150?

Select one:

- ☐ a. int var = new int (150);
- ☐ b. integer var =150;
- ☐ c. var int = 150;
- ☐ d. var x = (int) 150
- ☒ e. int var=150; ✓

Your answer is correct.

The correct answer is: int var=150;

Question **22**

Correct

Mark 1.00 out of
1.00

What does the following code print out:

```
int num = 1;
for (int i = 1; i < 4; i++) {
    System.out.print(num + " ");
    num += num;
}
```

Answer: 1 2 4



The correct answer is: 1 2 4

Question 23

Correct

Mark 1.00 out of
1.00

```
1 package uts;
2
3 public class IfExample {
4
5     public static void main(String[] args) {
6         int jamSekarang = 11;
7
8         if (jamSekarang > 4 & jamSekarang < 11) {
9             System.out.println("Halo, selamat pagi!");
10        } else if (jamSekarang >= 11 & jamSekarang < 15){
11            System.out.println("Selamat siang!");
12        } else {
13            System.out.println("Semoga hari ini Anda bahagia. :-)");
14        }
15    }
16 }
```

What is the output of the program above?

Select one:

- ☒ a. Selamat siang! ✓
- ☐ b. Halo, selamat pagi!
- ☐ c. Semoga hari ini Anda bahagia. :-)
- ☐ d. The program above cannot be compiled
- ☐ e. There is no output produced

Your answer is correct.

The correct answer is: Selamat siang!

Question **24**

Correct

Mark 1.00 out of
1.00

How many times will "*" be printed by the following loop?

```
int c = 5;
for (int i = 1; i < c; i++) {
    System.out.print("*");
}
```

Select one:

- ☐ a. 6
- ☐ b. 5
- ☐ c. 3
- ☐ d. 7
- ☒ e. 4 ✓

Your answer is correct.

The correct answer is: 4

Question 25

Incorrect

Mark 0.00 out of
1.00

```
1 package uts;
2
3 public class StringExample {
4
5     public static void main(String[] args) {
6         String s1 = "Abdullah Gymnastiar Abdoerrani";
7
8         String[] hasilSplit = s1.split(" ");
9
10        for (int i = hasilSplit.length-1; i > 0 ; i--) {
11            System.out.println(hasilSplit[i]);
12        }
13    }
14 }
```

What is the output of the program above?

Select one:

- ☒ a. Gymnastiar ❌
- ☐ b. The code would produce an ArrayIndexOutOfBoundsException
- ☐ c. The program above cannot be compiled
- ☐ d. Abdoerrani
- ☐ e. There is no output produced

Your answer is incorrect.

The correct answer is: Abdoerrani

Question 26

Correct

Mark 1.00 out of
1.00

```
1 package uts;
2
3 public class ArrayExample2 {
4
5     public static void main(String[] args) {
6
7         String[] proglang = {"Alice", "Bertrand", "Cecil"};
8
9         for (int i=0; i < proglang.length; i++) {
10             proglang[i] += ", S.Kom.";
11         }
12         for (int i=0; i < proglang.length; i++) {
13             System.out.print(proglang[i] + "|");
14         }
15     }
16 }
```

What is the output of the program above?

Select one:

- ☒ a. Alice, S.Kom. | Bertrand, S.Kom. | Cecil, S.Kom. | ✓
- ☐ b. Alice | Bertrand | Cecil |
- ☐ c. The program above cannot be compiled
- ☐ d. Alice Bertrand Cecil
- ☐ e. There is no output produced

Your answer is correct.

The correct answer is: Alice, S.Kom. | Bertrand, S.Kom. | Cecil, S.Kom. |

Question 27

Correct

Mark 1.00 out of
1.00

What does the following code print out:

```
int c = 5;
for (int i = 0; i <= c; i++) {
    if (i%3==1){
        System.out.print("$");
    }
    else{
        System.out.print("#");
    }
}
```

Answer: #\$\$\$#



The correct answer is: #\$\$\$#

Question 28

Correct

Mark 1.00 out of 1.00

```
1 package uts;
2
3 public class StringExample {
4
5     public static void main(String[] args) {
6         String s1 = "Abdullah Gymnastiar Abdoerrani";
7                     0   1   2   3   4
8         String[] hasilSplit = s1.split("a");
9
10        for (int i = 0; i < hasilSplit.length; i++) {
11            System.out.println(hasilSplit[i]);
12        }
13    }
14 }
```

What is the output of the program above?

Select one:

- ☐ a. There is no output produced
- ☐ b. Abdoerrani
- ☐ c. Abdullah
- ☒ d. Abdull ✓
- ☐ e. The program above cannot be compiled

Your answer is correct.

The correct answer is: Abdull

Question 29

Correct

Mark 1.00 out of 1.00

What are the value of z after the code executes?

```
int x = 20;
int y = 5;
int z = x * y; = 100
x = z - y; = 95
y = x % z; = 95
z = 2 * z; = 200
```

Answer: 200 ✓



The correct answer is: 200

Question 30

Correct

Mark 1.00 out of
1.00

Suppose you have an int array, fibo. Write the short code for printing the length of the array.

Answer: `System.out.println(fibo.length);` ✓The correct answer is: `System.out.println(fibo.length);`

Question 31

Correct

Mark 1.00 out of
1.00

What does the following code print out:

```
int num = 1;
for (int i = 0; i < 3; i++) {
    System.out.print(num);
    num += 2;
}
```

i	num = 1
0	3
1	5
2	7

↓
135

7 ngga ikut masuk print

Answer: 135 ✓

The correct answer is: 135

Question 32

Correct

Mark 1.00 out of
1.00

How many times will "#" be printed by the following loop?

```
int n=5;  
for (int i=0; i<n; i++){  
    for (int j=0; j<n/2; j++){  
        System.out.print("#");  
    }  
}
```

i	j
0	0, 1
1	0, 1
2	0, 1
3	0, 1
4	0, 1

} 10

Select one:

- ☐ a. 6
- ☒ b. 10 ✓
- ☐ c. 12
- ☐ d. 5
- ☐ e. 8

Your answer is correct.

The correct answer is: 10

Question 33

Correct

Mark 1.00 out of 1.00

```

1 package uts;
2
3 public class ArrayExample {
4
5     public static void main(String[] args) {
6
7         int sum = 0; int[] nilai = {87, 100, 98, 45, 79};
8
9         for (int i=0; i < nilai.length; i+=2) {
10             sum += nilai[i];
11         }
12         System.out.print(sum);
13     }
14 }

```

i	sum = 0
0	0 + 87 = 87
2	87 + 98 = 185
4	185 + 79 = 264

What is the output of the program above?

Select one:

- ☐ There is no output produced
- ☐ 409
- ☒ 264 ✓
- ☐ The program above cannot be compiled
- ☐ 145

Your answer is correct.

The correct answer is: 264

Question 34

Correct

Mark 1.00 out of 1.00

What does the following code print out:

```

int i=2;
int [] age = {10,15,20,25,30};
String [] name ={"Dela","Qoni","Kanti","Sabar","Mas"};
age[i] =age[i-1]-2;
System.out.print(name[i-2]+" "+age[i]);

```

Answer: Dela 13



The correct answer is: Dela 13

Question 35

Correct

Mark 1.00 out of
1.00

```
1 package uts;
2
3 public class Stars {
4
5     public static void main(String[] args) {
6
7         for (int i = 0; i < 4; i++) {
8             for (int j = 0; j < 4; j++) {
9                 System.out.print(" *");
10            }
11            System.out.println();
12        }
13    }
14 }
```

What is the output of the program above?

Select one:

- ☐ There is no output produced
- ☐ The program above cannot be compiled
- ☒ * * * *
* * * *
* * * *
* * * *
- ☐ *
* *
* * *
* * * *
- ☐ * * * *
* * *
* *
*

Your answer is correct.

The correct answer is: * * * *

* * * *

* * * *

* * * *

Question 36

Correct

Mark 1.00 out of
1.00

What does the following code print out:

```
int a = 10;
int b = -5;
if(a>0 && b>0){
    if (a>b) {
        System.out.println("A");
    } else {
        System.out.println("B");
    }
} else if ((b<0)|| (a<0)) {
    System.out.println("C");
} else {
    System.out.println("D");
}
```

Answer: C



The correct answer is: C

Question 37

Correct

Mark 1.00 out of
1.00

```
1 package uts;
2
3 public class SwitchCaseExample {
4
5     public static void main(String[] args) {
6
7         int angkatan = 2017;
8         String nama = "";
9
10        switch (angkatan) {
11            case 2019:
12                nama = "belum ada";
13            case 2018:
14                nama = "Valois";
15            case 2017:
16                nama = "Dhistakarna";
17            case 2016:
18                nama = "Artemis";
19            default:
20                nama = "(tidak diketahui)";
21        }
22        System.out.println(nama);
23    }
24 }
```

What is the output of the program above?

Select one:

- ☒ a. Dhistakarna ✓
- ☐ b. Valois
- ☐ c. belum ada
- ☐ d. (tidak diketahui)
- ☐ e. Artemis

Your answer is correct.

The correct answer is: Dhistakarna

Question **38**

Correct

Mark 1.00 out of 1.00

What does the following code print out:

```
String A = "Hello :)";  
String B = "125";  
String C = "";  
C = A;  
A = B;  
B = C;  
System.out.println(A);
```

Answer: 125



The correct answer is: 125

Question **39**

Correct

Mark 1.00 out of 1.00

What does the following code print out:

```
int [][] numbers={{10,20,30},{5,10,15},{100,200,300}};  
int i=2;  
int j=1;  
System.out.print(numbers[j][i-j]);
```

Answer: 10



The correct answer is: 10

Question **40**

Correct

Mark 1.00 out of
1.00

What does the following code print out:

```
String A = "Hello :)";  
String B = "125";  
String C = "";  
A = B;  
System.out.println(A);
```

Answer: 125



The correct answer is: 125