Operators & For Loop
Deadline
Feb 28, 2021, 11:59 PM

Lecture
100.0%

Score 370.00/370

▶ Increment decrement operators

Bitwise Output ●   10.0/10
✋ 1 Doubt(s) asked

Find error ●   10.0/10

▶ Bitwise operators - 1

Bitwise operator ●   10.0/10

Correct Output ●   10.0/10

▶ Bitwise operators - 2

Bitwise Operator ●   10.0/10

Guess the output ●   10.0/10

Guess the output ●   10.0/10

Guess the output ●   10.0/10

Guess the output ●   10.0/10

Guess the output ●   10.0/10

Bitwise Output
Send Feedback

Choose the correct output for the following code:

```
public static void main (String[] args) {
    int a=10,b=50;
    a++;
    --b;
    int c=a--+b--;
    System.out.print(++c);
}
```

Options

○ 60

● 61 ✔

○ 62

○ error

Correct Answer

Solution Description
a++,a=11. --b,b=49. c=a--+b--=11+49=60 a=10 b=48 print(++c)->print(61)

PREVIOUS   NEXT   SUBMIT

Operators & For Loop

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Find error

Send Feedback

Which line(s) of the following code would give an error:

```
public static void main (String[] args) {
    int a=10,b=20;
    System.out.println(a+++--b);//line 1
    System.out.println(a--+++b);//line 2
    System.out.println(a++-++b);//line 3
    System.out.println(a+++++b);//line 4
}
```

Options

☐ line 1

☑ line 2 ✔

☐ line 3

☑ line 4 ✔

Correct Answer

Solution Description

As + operator and ++ operator have equal precedence. Similarly - and -- have equal precedence. So in line 2 +++b and in line 4 +++b gives an error. To solve this error we can use +(++b).

Establishing secure connection...

ASK/VIEW DOUBT

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Bitwise operator
Send Feedback

Choose the correct output of the following code:

```java
public static void main (String[] args) {
    int a=10,b=20;
    int c=a&b;
    System.out.print(c);
    int d=a|b;
    System.out.print(d);
    int e=a^b;
    System.out.print(e);
    int f=c+d+e;
    System.out.print(~f);
}
```

Options

○ 03030-60

● 03030-61 ✔

○ 0303060

○ 03030-59

Correct Answer

Solution Description
c=10&20=0. d=10|20=30. e=10^20=30. f=0+30+30=60. ~f=-61.

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Operators & For Loop

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Correct Output

Send Feedback

Choose the correct output for the given code:

```java
public static void main (String[] args) {
    int a=10,b=-20;
    System.out.print(a^b);
}
```

Options

- 🔘 -26 ✔
- ⭕ 26
- ⭕ 35
- ⭕ -35

Correct Answer

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Operators & For Loop

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Bitwise Operator

Send Feedback

What will be the output ?

```
public static void main(String args[])
  {
    int a = 42;
    int b = ~a; (there is tilde sign before a)
    System.out.print(a + " " + b);
  }
```

Options

○ 42 42

● 42 -43 ✔

○ 42 43

○ 43 43

Correct Answer

PREVIOUS   NEXT   SUBMIT

Operators & For Loop
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Guess the output
Send Feedback

```java
class Output {
    public static void main(String args[])
    {
        int x , y = 1;
        x = 10;
        if (x != 10 && x / 0 == 0)
            System.out.println(y);
        else
            System.out.println(++y);
    }
}
```

Options

- ● 2 ✔
- ○ 1
- ○ Runtime error because of division by zero in if condition
- ○ None of these

Correct Answer

Operators & For Loop
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Guess the output
Send Feedback

```
class Solution {
    public static void main(String args[])
    {
    int x = 15;
    int y = x++;
    int  z = ++x;
    System.out.println(y +" " + z);
    }
}
```

Options

○ 15 16

○ 16 17

● 15 17 ✔

○ 16 16

Correct Answer

Operators & For Loop
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Guess the output
Send Feedback

```java
class Solution {
    public static void main(String args[])
    {
        int g = 3;
        System.out.print(++g * 8);
    }
}
```

Options

○ 24

● 32 ✓

Correct Answer

Operators & For Loop

Deadline

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Guess the output

Send Feedback

```
class Solution {
    public static void main(String args[])
    {
        int x =10;
        int y = 20;
        if(x++ > 10 && ++y > 20 ){
        System.out.print("Inside if  ");
        }else{
        System.out.print("Inside else  ");
        }
        System.out.println(x +" "+y);
    }
}
```

Options

○ Inside if 11 21

○ Inside if 10 21

● Inside else 11 20 ✔

○ Inside else 11 21

Correct Answer

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Operators & For Loop
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Guess the output
Send Feedback

```java
class Solution {
    public static void main(String args[])
    {
        int x = 10;
        int y = 20;
        if(x++ > 10 || ++y > 20 ){
        System.out.print("Inside if  ");
        }else{
        System.out.print("Inside else  ");
        }
        System.out.println(x  + " " + y);
    }
}
```

Options

● Inside if 11 21 ✔

○ Inside if 10 21

○ Inside else 11 20

○ Inside else 11 21

Correct Answer

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ASK/VIEW DOUBT

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Guess the Output

Assignment Operators

Correct Output ●   10.0/10

Precedence & Associativity

Guess the Output ●   10.0/10

For loop

Nth Fibonacci Number ●   40.0/40

For loop variations

For Loop ●   10.0/10

Guess the Output ●   10.0/10

Break Keyword

What is the output ●   10.0/10

What is the output ●   10.0/10

What is the output ●   10.0/10

Guess the Output ●   10.0/10

Correct Output
Send Feedback

Select the correct output for the following code:

```
public static void main (String[] args) {
    int a=5;
    a+=5+(++a)+(a++);
    System.out.print(a);
}
```

Options

○ 20

● 22 ✓

○ 17

○ 18

Correct Answer

Solution Description
a=a+5+(++a)+(a++). =5+5+6+6=22

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ASK/VIEW DOUBT

Operators & For Loop
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Precedence & Associativity

Guess the Output ●   10.0/10

For loop

Nth Fibonacci Number ●   40.0/40

For loop variations

For Loop ●   10.0/10

Guess the Output ●   10.0/10

Break Keyword

What is the output ●   10.0/10

What is the output ●   10.0/10

What is the output ●   10.0/10

Guess the Output ●   10.0/10

Correct Output ●   10.0/10

Find the error ●   10.0/10

Guess the Output
Send Feedback

```
public static void main (String[] args) {
    int a=10;
    a+=++a-5/3+6*a;
    System.out.print(a);
}
```

Options

○ 50

○ 70

○ 76

● 86 ✔

Correct Answer

Solution Description
a+=++a-5/3+6*a. a+=11-1+6*11. a=10+11-1+66=86.

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For Loop
Send Feedback

How many times will the following loop run?

```
for(int i=1;i<10;i*=2)
{
    System.out.println(i);
}
```

Options

◉ 4 ✔

○ 3

○ 10

○ infinite

Correct Answer

Solution Description
The loop would run for i=1,2,4,8.

Operators & For Loop

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Guess the Output

Send Feedback

Which value(s) can be used to initialize i so that the loop is finite:

```
public static void main (String[] args) {
    for(int i=_;i>0;i=i%3)
    {
        System.out.print("*");
    }
}
```

Options

☐   1000

☑   729 ✔

☐   386

☑   483 ✔

Correct Answer

Solution Description

The value which is divisible by 3 would result in finite loop.

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ASK/VIEW DOUBT

Operators & For Loop
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Break Keyword

What is the output   10.0/10

What is the output   10.0/10

What is the output   10.0/10

Guess the Output   10.0/10

Correct Output   10.0/10

Find the error   10.0/10

Continue Keyword

Skip iteration   10.0/10

What is the output   10.0/10

What is the output   10.0/10

What is the output   10.0/10

What is the output   10.0/10

All Prime Numbers   80.0/80

What is the output
Send Feedback

What will be the output the following code?

```
for(int i = 0; i < 5; i = i + 1){
    System.out.print(i + " ");
    i = i + 1;
}
```

Options

○ 0 1 2 3 4

● 0 2 4 ✔

○ 1 3

○ 1 2 3 4 5

Correct Answer

PREVIOUS   NEXT

SUBMIT

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ASK/VIEW DOUBT

Operators & For Loop

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What is the output •   10.0/10

What is the output •   10.0/10

What is the output •   10.0/10

Guess the Output •   10.0/10

Correct Output •   10.0/10

Find the error •   10.0/10
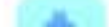
Continue Keyword

Skip iteration •   10.0/10

What is the output •   10.0/10

What is the output •   10.0/10

What is the output •   10.0/10

What is the output •   10.0/10

All Prime Numbers •   80.0/80

Notes

What is the output

Send Feedback

What will be the output the following code?

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

Options

○ 1 2 3 4

● Infinite 1s ✔

○ Compilation error

○ None of these

Correct Answer

❮ PREVIOUS   ❯ NEXT   ↻ SUBMIT

Operators & For Loop
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What is the output
Send Feedback

What will be the output ?

```
for(int i = 0; i < 2; i = i + 1) {
    for(int j = 0; j < 2; j = j + 1) {
        if (j == 1)
            break;
        System.out.print(j +" ");
    }
}
```

Options

- ⚪ 0 1 0 1
- ⚪ 0 0 0 0
- 🔘 0 0 ✔
- ⚪ 0 1

Correct Answer

Assignment
100.0%

PREVIOUS   NEXT   SUBMIT

ASK/VIEW DOUBT

Operators & For Loop
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What is the output •

What is the output •   10.0/10

Guess the Output •   10.0/10

Correct Output •   10.0/10

Find the error •   10.0/10

Continue Keyword

Skip iteration •   10.0/10

What is the output •   10.0/10

What is the output •   10.0/10

What is the output •   10.0/10

All Prime Numbers •   80.0/80

Notes

Assignment

                                100.0%

Score 360.00/360

Sum or Product •   40.0/40

Guess the Output
Send Feedback

Guess the output for the following code:

```java
public static void main (String[] args) {
    int i=0;
    for(;;)
    {
        if(i==5)
            break;
        System.out.print(i);
        i++;
    }
}
```

Options

○ 012345

○ infinite loop

● 01234 ✔

○ compilation error

Correct Answer

Solution Description
The loop would execute for i=0,1,2,3,4

< PREVIOUS   > NEXT   ↻ SUBMIT

Operators & For Loop

Deadline

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Correct Output

Send Feedback

Select the correct output for the following code:

```java
public static void main (String[] args) {
    for(int i=7;i!=0;i--)
    {
        System.out.print(i--);
    }
}
```

Options

○ 7531

○ 642

● infinite loop ✔

○ 753

Correct Answer

PREVIOUS   NEXT   SUBMIT

Operators & For Loop
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Correct Output •   10.0/10

Find the error •   10.0/10

Continue Keyword

Skip iteration •   10.0/10

What is the output •   10.0/10

What is the output •   10.0/10

What is the output •   10.0/10

What is the output •   10.0/10

All Prime Numbers •   80.0/80

Notes

Assignment
100.0%

Score   360.00/360

Sum or Product •   40.0/40

Terms of AP •   40.0/40

Reverse of a number •   40.0/40

Find the error
Send Feedback

Which code snippet would generate an error?

1.

```
for(int i=1;;i++)
    {   if(i==5)
            break;
        System.out.print(i);
    }
```

2.

```
for(int i=1;;i++)
    {   if(i<5)
        System.out.print(i);
        else
            break;
    }
```

3.

```
for(int i=1;;i++)
    {   if(i>5)
        {
            break;
            System.out.print("break statement
reached");
        }
        System.out.print(i);
    }
```

Options

○ 1.

○ 2.

● 3. ✓

○ None of them

Correct Answer

Solution Description
In code snippet 3. the statement after break is never executed hence it gives an error.

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Find the error

Continue Keyword

Skip iteration ●   10.0/10

What is the output ●   10.0/10

What is the output ●   10.0/10

What is the output ●   10.0/10

What is the output ●   10.0/10

All Prime Numbers ●   80.0/80

Notes

Assignment

                                            100.0%

Score 360.00/360

Sum or Product ●   40.0/40

Terms of AP ●   40.0/40

Reverse of a number ●   40.0/40

Binary to decimal ●   40.0/40

Decimal to Binary ●   80.0/80

Skip iteration
Send Feedback

Which of these jump statements can skip processing remainder of code in its body for a particular iteration ?

Options

○ break

○ return

● continue ✔

Correct Answer

Solution Description
####"break" is used to exit from the current loop. ####"return" statement is used to exit from the current function. ####"continue" is used to skip the current iteration of a loop and continue with the next iteration.

‹ PREVIOUS   **› NEXT**   ⟳ SUBMIT

Operators & For Loop

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Continue Keyword

Skip iteration ●   10.0/10

What is the output ●   10.0/10

What is the output ●   10.0/10

What is the output ●   10.0/10

What is the output ●   10.0/10

All Prime Numbers ●   80.0/80

Notes

Assignment

                  100.0%

Score   360.00/360

Sum or Product ●   40.0/40

Terms of AP ●   40.0/40

Reverse of a number ●   40.0/40

Binary to decimal ●   40.0/40

Decimal to Binary ●   80.0/80

Square Root (Integral) ●   40.0/40

What is the output

Send Feedback

```
int i = 1;
while(i < 5) {
    if(i == 3) {
        break;
    }
    System.out.print(i + " ");
    i++;
}
```

Options

○   1 2 3 4

●   1 2 ✔

○   1 2 4

○   [No output, just an infinite loop]

Correct Answer

PREVIOUS   NEXT   SUBMIT

Operators & For Loop

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Skip iteration

What is the output ●	10.0/10
What is the output ●	10.0/10
What is the output ●	10.0/10
What is the output ●	10.0/10
All Prime Numbers ●	80.0/80
Notes	

Assignment

100.0%

Score 360.00/360

Sum or Product ●	40.0/40
Terms of AP ●	40.0/40
Reverse of a number ●	40.0/40
Binary to decimal ●	40.0/40
Decimal to Binary ●	80.0/80
Square Root (Integral) ●	40.0/40
Check Number sequence ●	80.0/80

What is the output

Send Feedback

```
int i = 1;
while(i < 5) {
    if(i == 3) {
        continue;
    }
    System.out.print(i + " ");
    i++;
}
```

Options

○ 1 2 3 4

○ 1 2 [Without infinite loop]

○ 1 2 4

● 1 2 [With infinite loop] ✔

Correct Answer

PREVIOUS   NEXT   SUBMIT

Operators & For Loop

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What is the output ●	10.0/10
What is the output ●	10.0/10
What is the output ●	10.0/10
What is the output ●	10.0/10
All Prime Numbers ●	80.0/80
Notes	

Assignment

100.0%

Score 360.00/360

Sum or Product ●	40.0/40
Terms of AP ●	40.0/40
Reverse of a number ●	40.0/40
Binary to decimal ●	40.0/40
Decimal to Binary ●	80.0/80
Square Root (Integral) ●	40.0/40
Check Number sequence ●	80.0/80

What is the output

Send Feedback

```
int i = 1;
while(i < 3) {
    int j = 1;
    while(j < 5) {
        if(j == 3) {
            break;
        }
        System.out.print(j + " ");
        j++;
    }
    i++;
}
```

Options

◉ 1 2 1 2 ✔

○ 1 2

○ 1 2 4 1 2 4

○ Infinite loop

Correct Answer

PREVIOUS   NEXT   SUBMIT

ASK/VIEW DOUBT

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What is the output ●	10.0/10
What is the output ●	10.0/10
What is the output ●	10.0/10
What is the output ●	10.0/10
All Prime Numbers ●	80.0/80
Notes	

Assignment
100.0%

Score 360.00/360

Sum or Product ●	40.0/40
Terms of AP ●	40.0/40
Reverse of a number ●	40.0/40
Binary to decimal ●	40.0/40
Decimal to Binary ●	80.0/80
Square Root (Integral) ●	40.0/40
Check Number sequence ●	80.0/80

What is the output
Send Feedback

```
int i = 1;
while(i < 3) {
    int j = 0;
    while(j < 5) {
        j++;
        if(j == 3) {
            continue;
        }
        System.out.print(j + " ");
    }
    i++;
}
```

Options

○ 1 2 1 2

○ 1 2 3 4 1 2 3 4

● 1 2 4 5 1 2 4 5 ✔

○ 1 2 4 1 2 4

Correct Answer

‹ PREVIOUS   › NEXT   ⟳ SUBMIT