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```
boolean[] answers = { true, true, false, false };

answers[0] = false;
answers[2] = true;

for(int i = 0; i < answers.length; i++) {
    boolean b = answers[i];
    System.out.print(b + " ");
}
```
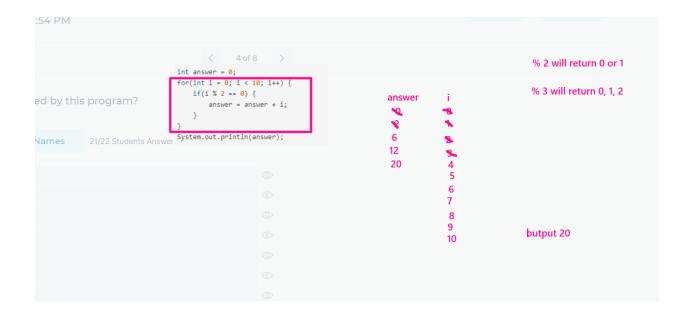
ered

output

false   true   true false

4

answers

| true false | true | false true | false |
|---|---|---|---|
| 0 | 1 | 2 | 3 |

i
0
1
2

b        b
false    true
true

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ed by this program?

```
int answer = 0;
for(int i = 0; i < 10; i++) {
    if(i % 2 == 0) {
        answer = answer + i;
    }
}
System.out.println(answer);
```

Names    21/22 Students Answer

% 2 will return 0 or 1

% 3 will return 0, 1, 2

answer     i
2          0
8          2
6          8
12         3
20         4
           5
           6
           7
           8
           9
           10

output 20

PM

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```
int sum = 0;              i = i - 3
for(int i = 10; i > 0; i -= 3) {
    sum += i;   sum = sum + i;
}
System.out.println(sum);
```

...display?

20/22 Students Answered

sum
0
10
17
22

i
10
7
4
-2

output
22

---

**7.** Given the following for loop, what is the printed o...
code?

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

Show Results    20/22 Students Answered

i
0
1
2
3
4

sum
0
1
2
3
4

output:    0 1 2 3 4

**A** 10

**B** 0 1 2 3 4

**C** 0 1 3 6 10

**D** 4 3 2 1 0

```
int[] numbers = new int[10];
for(int ix = 0; ix < numbers.length; ix++) {
    numbers[ix] = ix * 2;
}

int result = numbers[3];
```

e of result after this code exe

Show Names        20/22 Students Answered

**numbers**

| 0 | 0 0 |
| 1 | 0 2 |
| 2 | 0 4 |
| 3 | 0 6 |
| 4 | 0 8 |
| 5 | 0 10 |
| 6 | 0 12 |
| 7 | 0 14 |
| 8 | 0 16 |
| 9 | 0 18 |

**numbers.length**
**10**

**ix**
0
1
2
3
4
5
6
7
8
9
10

6

shortcut operators

sum = sum + i

sum += i

| | |
|---|---|
| += | sum = sum +i |
| -= | sum = sum - i |
| *= | sum = sum * i |
| /= | |
| %= | |

X+

sum++ - postfix
++sum - prefix        - this is what you expect

```
                               I++
for (int i = 0; i < 10I; ++i) {

}
```