


accenture

PSEUDO CODE

Watch video of this PDF: https://youtu.be/XsvSAKcFC_c

```
1. Integer p,q,r  
Set p=7, q=4, r=5  
if((p+r)<(q-p) || r<p)  
r=q&p  
r=(r+3)&p  
End if  
Print p+q+r
```

Live Code: https://onlinegdb.com/uHULeRM_7



accenture
2021, 2019

1.

Integer p,q,r

Set p=7, q=4, r=5 ~~4~~ 7¹² (0 1 1)

if((p+r)¹² < (q-p)⁻³ || r < p)

{
r=q&p 4
r=(r+3)&p 7
}

End if

Print p+q+r

5 < 7
1 1 1
1 1 1

1 1 1
7 + 4 + 7
100
1 1 1

1 0 0
4 → 4

12 < -3
0 1 1 = 1
1 1 1 = 1
0 1 0 = 0

Live Code: https://onlinegdb.com/uHULeRM_7

18 ✓

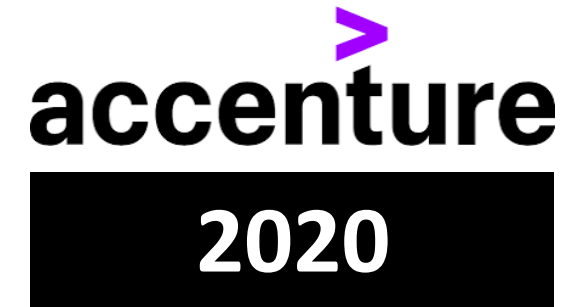
1 & 1 ⇒ 1
1 & 0 ⇒ 0
0 & 0 ⇒ 0

Correct Answer: 18

2. Integer a,b,c
Set a=2, b=40, c=0
b=c+2
if(a)
c=1
End if
Print a-b+c

- a) 4
- b) 11
- c) 1
- d) -2

Live Code: <https://onlinegdb.com/NweMkMgei>



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2.

Integer a,b,c

Set a=2, b=~~40~~₂, c=~~0~~₁

b=c+2

if(a)

c=1

End if

Print a-b+c

$$2 - 2 + 1 = 1$$

a) 4

b) 11

c) 1 ✓

d) -2

Live Code: <https://onlinegdb.com/NweMkMgei>



Correct Answer: 1 (Option C)

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COMPLETE PLACEMENT PREPARATION

3. What will be the output of the following pseudocode for a=4, b=6?

```
Integer funn(Integer a, Integer b)
```

```
    a=a<<(a-2)
```

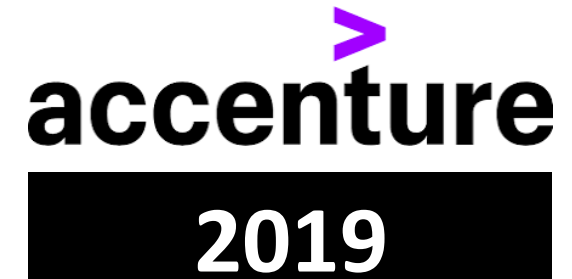
```
    b=b>>(b-5)
```

```
    a=a+1
```

```
    b=b+1
```

```
    return a+b
```

```
End function funn()
```



Live Code: <https://onlinegdb.com/rgMDYZQ9>

3. What will be the output of the following pseudocode for a=4, b=6?

Integer funn(Integer ⁴~~a~~, Integer ⁶~~b~~)

a = a << (²~~a-2~~)

$$a = a \ll 2 \\ a = a \times 2^2$$

b = b >> (¹~~b-5~~)

$$b = b \gg 1$$

$$a = a \times 4 \\ a = 4 \times 4$$

a = a + 1

$$b = \frac{b}{2^1} = \frac{b}{2}$$

$$a = 16$$

$$b = 3$$

$$= \frac{6}{2} = 3$$

b = b + 1

21

return a + b

End function funn()

accenture

2019

L M

R D

<<

R R

$$a \ll b \rightarrow a \times 2^b$$

$$a \gg b \rightarrow \frac{a}{2^b}$$

Live Code: <https://onlinegdb.com/rgMDYZQ9>

Correct Answer: 21

4. Integer p,q,r
Set p=8, q=6, r=5
for (each r from 5 to 8)
 p=(6&3)+r
 if(4<q)
 p=3+r
 q=q+q
 End if
End for
Print p+q

 **accenture**

2020

2019

Live Code: <https://onlinegdb.com/2jLzv3jgN>

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4.

Integer p,q,r

Set p=8, q=6, r=5

for (each r from 5 to 8) \Rightarrow 4 times

\rightarrow for (r = 5, r <= 8, r++)

~~p = 7~~
~~r = 4~~
~~p = (6 & 3) + r~~ XX
~~if (4 < q)~~ $4 < 6$ always true

\rightarrow p = 3 + r
q = q + q

~~End if~~

End for

Print p+q

p	q	r
8	6	5
8	12	5
9	24	6
10	48	7
11	96	8
		9X

p = 11
q = 96
} 96
+ 11
107

Live Code: <https://onlinegdb.com/2jLzv3jgN>

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Correct Answer: 107



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```
5. Integer p,q,r
Set p=6, q=4, r=6
for(each r from 3 to 7)
    if((q+p+r)>(r+q))
        continue
    End if
    q=5+r
    p=p+p
End for
Print p+q
```

Live Code: <https://onlinegdb.com/pam56ClG6>

5. Integer p, q, r
Set p=6, q=4, r=6
for(each r from 3 to 7)
 if((q+p+r) > (r+q)) → true
 continue
 End if ×
 q=5+r ×
 p=p+p ×
End for →
Print p+q

Handwritten notes:
- Above the for loop: $r = 3, 4, 5, 6, 7$
- Next to the if condition: $(10) ✓$

accenture
2021

Live Code: <https://onlinegdb.com/pam56ClG6>

Correct Answer: 10

6. Integer a,b,c
Set a=7, b=8, c=7
for(each c from 2 to 4)
 b=11+a
End for
for(each c from 3 to 4)
 b=(b&10)+a
 b=(c+11)+c
End for
Print a+b

Live Code: <https://onlinegdb.com/AqjQKAqxq>

Watch video of this PDF: https://youtu.be/XsvSAKcFC_c



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2022

6. Integer a, b, c

Set a=7, b=8, c=7

for(each c from 2 to 4)

→ ~~b=11+a~~ X X

b=25

End for

for(each c from 3 to 4)

~~b=(b&10)+a~~ X

b=19

→ b=(c+11)+c

End for

Print a+b

a=7
b=19

b

19+7
= 26

c=3
c=4

Live Code: <https://onlinegdb.com/AqjQKAqxq>

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Correct Answer: 26

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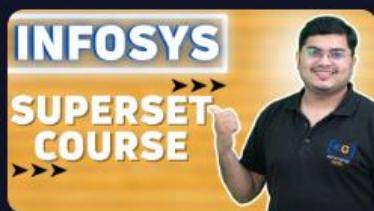
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