Accenture Sections	Information	Questions and Time
Cognitive Ability	English AbilityCritical Thinking and Problem SolvingAbstract Reasoning	50 Ques in 50 mins
Technical Assessment	 Common Application and MS Office Pseudo Code Fundamental of Networking, Security and Cloud 	40 Ques in 40 mins
Coding Round	CC++Dot NetJAVAPython	2 Ques in 45 mins

Accenture Pseudo Code Test

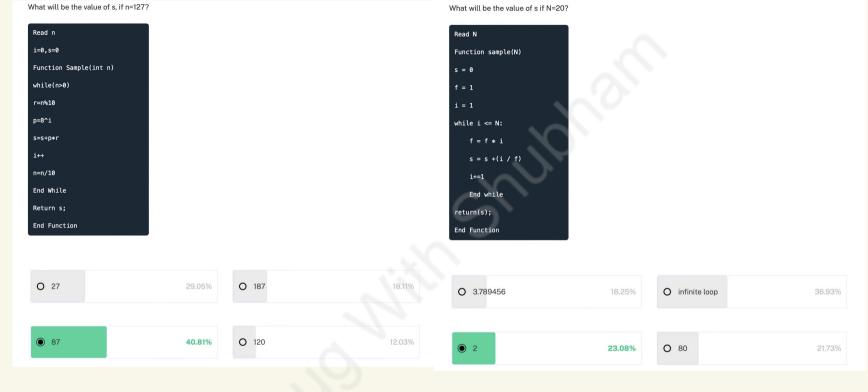
Number of Questions	18
Negative Marking	No
Total time Limit	40 Min(Shared)

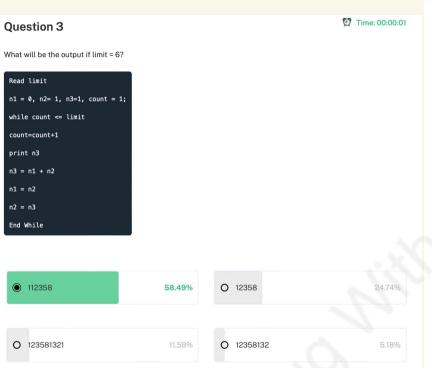
DEBUG WITH SHUBHAM

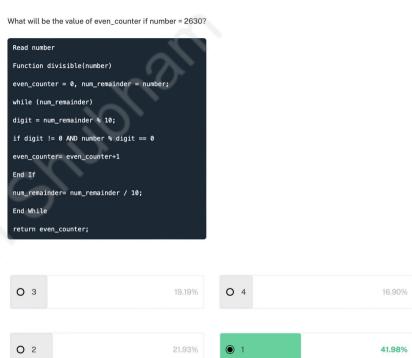
Accenture Technical Assessment Detailed Overview

Accenture Pseudo Code

- https://www.youtube.com/@DebugWithShubham
- in https://www.linkedin.com/in/debugwithshubham/
- https://www.instagram.com/debugwithshubham/
- http://topmate.jo/debugwithshubham
- https://t.me/debugwithshubham







Question 4

Time: 00:00:01

Code to sort given array in ascending order:

Read a,b
Function mul(a, b)
t = 0
while (b != 0)
t = t + a
b=b-1
End While
return t;
End Function

What will be the value of t if a = 56, b = 876?

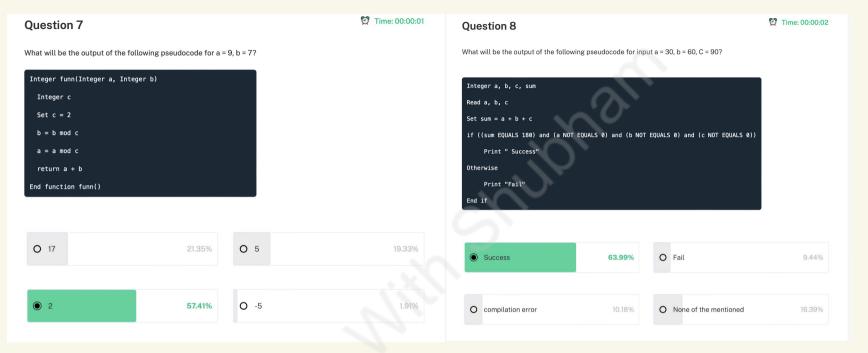
Read size Read a[1],a[2],...a[size] i=0 While(i<size) While(j<size) If a[i] < a[j] then t= a[i]; a[i] = a[j]; a[j] = t; End If End While i=0 While (i<size) print a[i] End While

 Q
 490563
 9.70%
 ● 49056
 51.40%

 O
 490561
 9.32%
 O
 None of the mentioned
 29.58%

 O Line 4
 16.25%
 O Line 6
 23.06%

 ● Line 7
 36.13%
 O No error
 24.56%



Question 9

O 321

Time: 00:00:01

What will be the output of the following pseudo-code?

```
integer i
set i=3
print i+3
i=i-1
while( i < 0)
end while
```

How many times the following loop will be executed?

```
main()
 ch = 'b';
 while(ch >= 'a' && ch <= 'z')
  ch++;
```

654 59.87%

17.43%

O 642 8.44%

O 123

O Compilation error

O 26

15.79%

39.19%

25 38.38%

0 1 6.64%

Question 1 Time: 00:00:01

Consider the following piece of code. What will be the space required for this code?

```
int sum (int A[], int n)
{
  int sum = 0, i;
  for (i = 0; i < n; i++)
    sum = sum + A[i];
  return sum;
}// sizeof(int) = 2 bytes</pre>
```



Question 2

What will be the output of the following pseudo code?

```
For input a = 8 & b = 9.

function (input a, input b)

If (a < b)

return function (b, a)

elseif (b != 0)

return (a + function (a, b - 1))

else

return 0
```



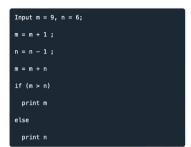


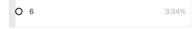
O 65 7.22%

Question 3

Time: 00:00:13

What will be the output of the following pseudo code?











Question 4

Time: 00:00:01

What will be the output of the following pseudo-code?











6.22%

12.96%

Time: 00:00:01 **Question 6** What would be the output of the following pseudocode? What will be the output of the following pseudocode for a =1, b = 2? Integer i, j, k Integer funn(Integer a, Integer b) Set k = 8 if(a<3 && b<4) for(each i from 1 to 1) return funn(a +1, b + 1) for(each j from the value of i to 1) Else print k+1 Return a + b end for End if end for End function funn() O 89 15.57% 68.63% [Note: &&: Logical AND operator - the logical AND operator (&&) returns the Boolean value true (true () if both are true) O 4 O 3 8.92% 0 8 65.89% 23.34% O -7 O 19 6.22% 4.54%

Ouestion 7

Time: 00:00:02

Question 8

Integer count

What will be the output of the following pseudocode?

for (each count from 0 to 9)

if (count > 6)

print count

CONTINUE

print "#"

Time: 00:00:01

39.03%

What will be the output of the following pseudocode for a = 2, b = 6?

```
Integer funn(Integer a, Integer b)
       if(a > 0)
                if(b > 0)
                       return a + b + funn(a + 1, 0) + funn(a + 2, 0) + funn(a + 3, 0)
                End if
        End if
        return a + b
End function funn()
```

34.18%

O 21 O 17

0 8

O 0#1#2#3#4#5#6##

#0#1#2#3#4#5#6##

O #0#1#2#3#4#5##7#8#9#10

O #0#1#2#3#4#5#

Time: 00:00:01 **Question 9** What does the following piece of code do? public void func (Tree root) func (root.left ()); func (root.right ()); System.out.println (root.data ()); O Preorder traversal O Inorder traversal 27.88% 19.08%

41.66%

O Level order traversal

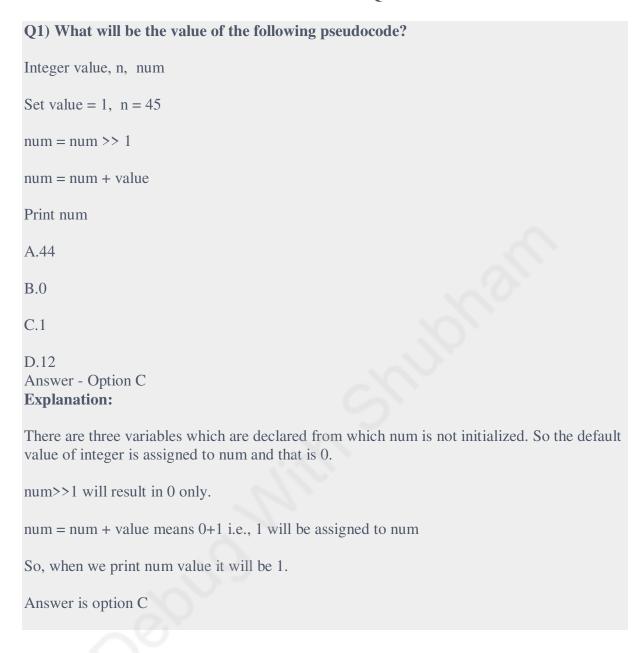
11.38%

Postorder traversal

```
M 111116. 00.00.17
Question 10
                                                                                                              c) public void min (Tree root)
How will you find the minimum element in a binary search tree?
 a) public void min (Tree root)
                                                                                                               while (root.right () != null)
  while (root.left () != null)
                                                                                                                   root = root.right ();
      root = root.left ();
                                                                                                               System.out.println (root.data ());
  System.out.println (root.data ());
                                                                                                             d) public void min (Tree root)
 b) public void min (Tree root)
                                                                                                               while (root != null)
  while (root != null)
                                                                                                                   root = root.right ();
      root = root.left ();
                                                                                                               System.out.println (root.data ());
  System.out.println (root.data ());
                                                                                   O b
                                                                                                                                 35.05%
                                                                   37.31%
                    O c
                                                                   15.83%
                                                                                   O d
                                                                                                                                  11.82%
```

Made with Goodnotes

Accenture Pseudocode Questions



Q2) What will be the value of the following pseudocode?

Integer x, y for(each x from 1 to 11) x = x + 2end for

A.11

Print x

```
B.10
C.12
D.13
Answer - Option D
Explanation:
Here x is starting with 1 inside the for loop. The value of x is varying from 1 to 11.
```

If we write the for loop it will be as follows.

```
for(x=1;x<=11;x++)
{
x=x+2
}
```

Consider the first iteration, x = 1 then $x \le 11$ condition is true, it will enter inside the loop, then x will become x+2 that is 1+2=3. Then again it will go to the update the x will become 4. In short after each iteration x value is incremented by 3. Next it will become 4+3=7. Like that it goes on.

It will repeat until the condition becomes false.

When the condition become false x value will be 13.

Answer is option D.

Q3) What will be the value of the following pseudocode? Integer j, m

```
Set m = 1, j = 1

Integer a[3] = \{0, 1, 0\}

a[0] = a[0] + a[1]

a[1] = a[1] + a[2]

a[2] = a[2] + a[0]

if(a[0])

a[j] = 5
```

End if m = m + a[j]Print m A.3 B.2 C.6 D.4 Answer - Option C **Explanation:** Here m = 1, j=1 $a[3] = \{0,1,0\}$ a[0] = a[0] + a[1]= 0 + 1= 1a[1] = a[1] + a[2]= 1 + 0= 1a[2] = a[2] + a[0]= 0 + 1= 1If(a[0]) results in true, so $a[j] \Rightarrow a[1]$ which is assigned as 5 Now m = m + a[j]= 1 + 5=6

So the answer is option C.

Q4) What will be the value of the following pseudocode for k=150? fun(integer k)

if(k>155)

return

end if

print k

fun(k+2)

print k

End of function fun()

A. 150 152 154

B. 150 152 154 154 152 150

C. 150

D. None of the mentioned

Debug with Shubham

Answer - Option B

Explanation:

Initially the value of k is 150. Here if condition will not be true until the value of k is not greater than 155.

So, each time before it reaches the recursive function the print statement above that function call will be working and it will print 150 152 154. After that the k value will become 156 for which the if condition will be true. Then onwards the recursive will start returning.

During the function call each value will be on the top of the stack so latest k value, that is 154 is printed based on the print statement given below the function call. So then it will start printing 154 152 150

Finally, the answer is option B.

Q5) What will be the output of the following pseudocode?

Integer a[5], b[5], c[5], k, l

Set $a[5] = \{5, 9, 7, 3, 1\}$

Set $b[5] = \{2, 4, 6, 8, 10\}$ for(each k from 0 to 4) c[k] = a[k] - b[k]end for for(each 1 from 0 to 4) Print c[1] end for A. 7 13 13 11 11 B. 3 5 1 -5 -9 C. -3 -5 -1 5 9 D. None Answer - Option B **Explanation:** Here in first for loop we are storing the values in c array as, c[k] = a[k] - b[k]So in array c elements are 3, 5, 1, -5, -9 In the next for loop we are printing c array So, answer is option B

Q6) How many times "A" will be printed in the following pseudocode? Integer a, b, c

for(a = 0 to 4)

for(b = 0 to 2)

if(a is greater than b)

Print "A"

End for End for End if A.8 B.7 C.9 D.10 Answer - Option C **Explanation:** Here outer loop will work 0 to 4 means totally 5 times and inner loop will work 0 to 2 means three times for every outer loop. Initially a and b both are 0. The if condition will fail. Next iteration a = 1, then inner loop b, will start again with 0 So the values for which the conditions are a true are as follows.

-à 1 will be printed once a = 1, b=0

a = 2, b = 0,1 -à 2 will be printed twice

a = 3, b = 0,1,2 -à 3 will be printed thrice

a = 4, b = 0,1,2 -à 4 will be printed thrice

So totally a will be printed 9 times

Thereby answer is option c

Q7) What will be the output of the following pseudocode?

Integer p, q, r

Set q = 13

for(each p from 1 to 4)

 $r = q \mod p$

p = p + 5

q = p + rend for r = q / 5Print q, r A.64 B.1 3 C.7 2 D.6 1 Answer - Option D **Explanation:** Here initially q = 13When for loops starts, p = 1

Then, r = q % p= 13 % 1 =0

p will be p + 5

$$p = 1 + 5$$
$$= 6$$

Then q is overwritten as

$$q = p + r$$
$$= 6 + 0$$
$$= 6$$

Then the loop will end because p is already 6 now

Now, r = q / 5= 6 / 5= 1

So q = 6 and r = 1

Q8) What will be the output of the following pseudocode?

Integer x

Set x = 259 if(x EQUALS 0)

Print "0"

otherwise if(x MOD 9 EQUALS 0)

Print "9"

otherwise

Print x MOD 9

end if

A. 8

B. 16

C. 7

D. None

Answer - Option C

Explanation:

Here x = 259

If (x==0) is false, so it will not print 0

Then If(x%9 == 0) is also false, so it will not print 9

Now it will print x%9, that is 259\%9 the remainder is 7

So, answer is option C

Q9) What will be the output of the following pseudocode?

Integer a, b

Set a = 12, b = 25

a = (a + b) MOD 2

b = b = a

a = a + b - 13

Print a, b

A. -11 1

B. -12 00

C. 11 22

D. 37 24

Answer - Option A

Explanation:

$$a = 12, b = 25$$

$$a = (a+b) \% 2$$

$$=(12+25)\%2$$

= 1

 $b = b = a \ a \ b = 1$

a = a + b - 13

= 1+1-13

= -11

So, answer is option A

Q10) What will be the output of the following pseudocode?

Integer a, b, c

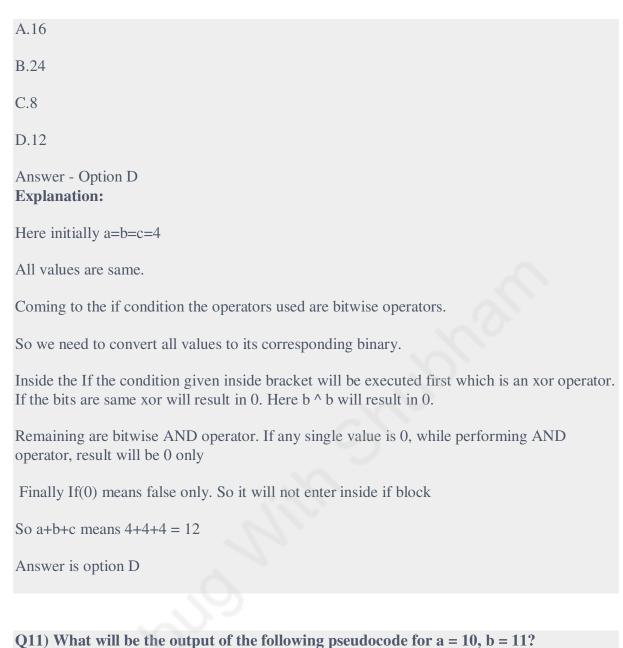
Set a = 4, b = 4, c = 4

if (a & (b ^ b) & c)

a = a >> 1

End if

Print a + b + c



Integer funn(Integer a, Integer b) if(0) return a - b - funn(-7, -1) End if a = a + a + a + a return a End function funn() A.40

B.30

C.44

D.0

Answer - Option A

Explanation:

Here, if (0) results in false so it will not go to the if block

Then a = a + a + a + a = 10 + 10 + 10 + 10 = 40So, the answer is option A

Q12) What will be the output of the following pseudocode for $a=5,\,b=1$? Integer funn(Integer a, Integer b)

if(b + a
$$||$$
 a - b) && (b > a) && 1)

a = a+b+b-2

return 3-a

Else

End if

return a-b+1

return a+b End function fun()

A.0

B.5

C.16

D.11

Answer - Option B

Explanation:

Here the if condition can be expanded as follows

If (1+5 || 5-1) && (1>5) && 1) this will result in false because 1>5 is false so entire condition will result in false. Then it will go to the else part where it is returning a - b + 1

That means, 5 - 1 + 1 which is 5

So, the answer is option B



 $if((b \mod a \&\& a \mod b) || (a \land b > a))$

a=a^b

Else

End if

return a-b

return a+b

End function funn()

A.-9

B.5

C.6

D.21

Answer - Option B

Explanation:

Here the if condition will result in true statement as given below

If((b % a && a % b) $\|$ (a ^ b > a)) means

If $(1 \% 5 \&\& 5 \% 1) \parallel (5 \land 1 > 5)$ the condition before Logical OR is false and condition after it is true.

In 5 1 > 5 condition relational operator have higher precedence than bitwise operator so 1 > 5 is false so it 5 0 0 which will result in 5. Finally false or true will result in true statement so it will enter the if block.

Then $a = a \wedge b$

Next line of statement will be executed, that is return a + b which is 4 + 1 = 5Answer is option B Q14) What will be the output of the following pseudocode for a = 4, b = 8? Integer funn(Integer a, Integer b) if(a > b)End if if(b > a)End if $b = b \wedge a$ $a = a \wedge b$ return a + bEnd function funn() A. 35 B. 20 C. 14 D. 25 Answer - Option B **Explanation:** Here a = 4 and b = 8If(a>b) will result in false condition, next if(b>a) will result in true. After that next set of statements will be executed. Here we are using bitwise operators so we need to convert a and b to binary representation. a = 4 à 0 1 0 0b = 8 à 1 0 0 0

= $5 ^ 1$ which will result in 4. So latest value of a is 4.

Return a - b is inside the else part.

```
now b = b^a
= 1000
0100
0100
1100 	 a 12
Same way a = a^b
= 0100
1100
1100
1000 	 a 8
Now we need to return a + b that means 12 + 8 = 20
Answer is option B
```

Q15) What will be the output of the following pseudocode? Integer x Set x = 2 if(x is EQUAL TO 1) if(x IS EQUAL TO 0) Print "A" else Print "B" end if else Print "C" end if A.B. C

B.C
C.A
D.B
Answer - Option B Explanation:
Here there is nested if condition given

If (x==1) will result in false statement so it will go to the else of outer if condition where it will print C.

So answer is option B