
FACE
Prep

Hexaware

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(Pseudocode)

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Question 1

What is the output of the following pseudocode?

```
Integer j, m
Set m = 4
Integer a[4] = {4, 13, 2, 1}
for( each j from 0 to 3)
   if(j > 1)
      m = m + a[j]
   End if
   if (j > 2)
      continue
   End if
   m = m + 1
End for
Print m
```

A) 10

B) 1

C) 8

D) 5

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Question 2

What is the output of the following pseudocode?

```
Integer a, b, c
Set b = 3, a = 1
for(each c from 1 to 2)
   a = a * c
   b = b * c
End for
if((1 & 4) && 1 && (2 ^ 3))
   b = a - 1
   a = a - 1
Else
   a = a mod 1
   b = b mod 1
End if
Print a + b
```

A) 0

B) 1

C) 2

D) 3

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Question 3

What is the output of the following pseudocode?

```
Integer a, b, c
Set b = 3, a = 5, c = 1
if(b > a)
   b = a
End if
for(each b from (1 & 2 & 3 & 4) to (2 & 4 & 8 & 16 & 32))
   b = b + 1
End for
Print b
```

A) 2 B) 0 C) 1 D) 4

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Question 4

Which of the following options is correct for the given pseudocode?

```
Integer j
for(each j from 0 to 8)
   if(j EQUALS 4)
      if(j+1 EQUALS 5)
         continue with next iteration
      end if
   end if
   print j
end for
```

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Question 4

A) it will print all the numebrs from 0 to 8 except the number 4

B) it will print all the numbers from 0 to 8 except the number 5

C) it will print the numbers from 0 to 8

D) it will print the numbers from 0 to 4

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Question 5

What is the output of the following pseudocode?

```
What is the output of the following
pseudocode?
Integer a, b
Set a = 12, b = 5
if(a && (a & b) )
   a = a & b
End if
Else
   a = a mod 1
Print a + b
```

A)5 B)7 C)9 D)4

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Question 6

What is the output of the following pseudocode?

```
Integer j, m
Set m = 2
Integer a[4] = {2, 4, 2, 2}
if(a[1] > 3)
   a[1] = a[2]
End if
if(1)
   a[2] = a[1] + 2
End if
m = m + a[3] + a[2]
Print m
```

A) 2 **B)** 8 **C)** 1 **D)** 7

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Question 7

What is the output of the following pseudocode for a = 2, b = 3?

```
Integer funn(Integer a, Integer b)
   if(a > 0 && b > 0)
      return funn(-7, 10) + funn(b-2, a - 1)
   End if
   return a + b
End function funn()
```

A) 4

B) 5

C) 7

D) 1

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Question 8

What is the output of the following pseudocode?

```
Integer j, m
Set m = 1
Integer a[4] = {0, 1, 0, 2}
a[0] = a[0] - a[2] + a[3]
a[1] = a[0] - a[3]
a[2] = a[1] - a[2]
a[3] = a[2]
m = a[3]
Print m
```

A) 0

B) 2

C) 6

D) 1

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Question 9

What is the output of the following pseudocode for a = 8, b = 7?

```
Integer funn(Integer a, Integer b)
   if(a > 7)
      return a - b - funn(a - 5, b)
   End if
   b = b + b + b
   return a
End function funn()
```

A) -1

B) -2

C) 1

D) 0

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Question 10

What is the output of the following pseudocode?

```
Integer k, j, p, h
Set k = 1, j = 2
while(k < 2)
   Set p = 9, h = 10
   print h / p
   k = k + 1
end while
print h
```

A) 1 0

B) 1 10

C) 0 1

D) 10 10

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Question 11

What is the output of the following pseudocode?

```
Integer i, j, k
Set k = 8
for(each i from 1 to 1)
   for(each j from the value of i to 1)
      print k + 1
   end for
end for
```

A) 8

B) 7

C) 2

D) 9

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Question 12

What is the output of the following pseudocode?

```
Integer even[4]
Set even[4] = {2, 6, 8, 12}
Integer k
for(each k from 0 to 3)
   if(even[k+2] > even[k+1])
      if(k + 1 equals 2)
         print even[k]
      end if
   end if
end for
```

A) 5

B) 3

C) 6

D) 4

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Question 13

What is the output of the following pseudocode?

```
Integer a[5]
set a[5] = {1, 2, 3, 4}
Integer m, j
set m = 1
for(each j from 0 to 3)
   m = m + a[j] + a[j] + 6
end for
print m
```

A) 46

B) 23

C) 43

D) 45

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Question 14

What is the output of the following pseudocode?

```
Integer a
String str1
Set str1 = "momo"
for(each a from 1 to 2)
   str1 = str1 + "mm"
End for
Print (stringLength(str1))
```

A) 8

B) 6

C) 7

D) 4

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Question 15

What is 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) 7

B) 16

C) 8

D) None of the mentioned options

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Question 16

What is the output of the following pseudocode?

```
Integer a, b, c
Set a = 0
for(each b from 0 to 10)
   a = a + b
   if(a MOD 4 EQUALS 0)
      Print "True"
      Jump out of the loop
   end if
end for
Print b
```

A) True 0

B) 0 1

C) 0

D) None of the mentioned options

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Question 17

What is the output of the following pseudocode?

```
Integer value = 1, n = 45
if((n && !(n & (n-1))) EQUALS 1)
   n = n >> 1
end if
while(n & (n-1))
   n = n & (n-1)
End while loop
print n
```

A) 60 **B)** 32 **C)** 46 **D)** 45

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Question 18

What is the output of the following pseudocode?

```
Integer a, n, b
Set a = 0, n = 0, b
for(each n from 0 to 4)
   n = n + 1
   if(n EQUALS 3)
      print "Hello world"
      jump out of the loop
   end if
end for
print n
```

A) 2 **B)** None of the mentioned option **C)** Hello world 3 **D)** 1

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Question 19

What is the output of the following pseudocode?

```
What will be the output of the following
pseudocode?
Integer a, b, c, d, e
Set a = 12, b = 2, c = 3, d = 0, e = 1
While(c > 0)
   d = a mod b
   e = e - d + a
   c = c - 1
end while
print e
```

A) 37 **B)**47 **C)**31 **D)** 25

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Question 20

What is the output of the following pseudocode?

```
Integer a[], k, t, m
Set a[] = {25, 20, 30, 18, 17}
Set t = 0
for(each k from 0 to 4)
   t = t + a[k]
   if(t mod 2 EQUALS 1)
      Print True
   otherwise
      Print False
end if
m = t / 5
Print m
```

A) True
false
22

B) False
false
20

C) True
false
15

D) True
false
20

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Question 21

What will be the output of the following pseudocode for x = 121, y = 11?

```
Integer fun(Integer x, Integer y)
   if(x > 9)
      fun(x/y, y+11)
      print y
   else
      x = x + y + 10
      x = x / 10
      print x
   end if
end function fun()
```

A) 4 11 121 **B)**4 22 11 **C)**43 22 11 **D)** None of the mentioned option

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Question 22

What will be the output of the following pseudocode?

```
Integer x, y, l, z
Set x = 1, y = 0
Set z = y = 1, l = x AND y
Print l
```

A) 0 **B)** Logical error **C)** 1 **D)** None of the mentioned option

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Question 23

What will be the output of the following pseudocode?

```
Integer c, d, e
Set d = 22
for (each c from 2 to 6)
   d = d + c
   e = c + d
end for
e = d / 5
Print c, d, e
```

A) 7 41 40 **B)**6 41 7 **C)**6 42 40 **D)** 7 42 8

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Question 25

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 **B)**B C **C)**C **D)** A

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Question 26

What will be the output of the following pseudocode for x = 45?

```
Integer fun(Integer x)
   if((x MOD 6) MOD 2 > 0)
      return x/9
   else
      return fun(x/9)
   end if
end function fun()
```

A) Infinite loop **B)** 5 **C)** 1 **D)** 0

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Question 27

What will be the output of the following pseudocode for x = 4 and y = 5?

```
Integer fun(int x, int y)
   if(x > 1)
      fun(x-2, y+2)
   end if
   Print y
End function fun()
```

A) 4 5 6 **B)** 9 7 5 **C)**7 6 5 **D)** None of the mentioned option

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Question 29

what will be the output of the following pseudocode?

```
Integer pp, qq, rr
Set pp = 3, qq = 4, rr = 9
for (each rr from 4 to 6)
   if((qq - pp) > (pp + qq))
      qq = pp + pp
   End if
   pp = (pp + 8) + qq
   pp = (rr + rr) + qq
End for
Print pp + qq
```

A) 26 **B)** 17 **C)**32 **D)** 20

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Question 30

what will be the output of the following pseudocode?

```
Integer p, q, r
Set p = 7, q = 8, r = 7
r = (1 ^ 4) + r
p = (q + 12) + r
q = (p + 2) & p
if((r & q) < q || 5 > q)
   q = r + p
   p = (r + r) + p
End if
p = (q & 9) + p
p = (r + r) + p
Print p + q + r
```

A) 149 **B)** 137 **C)** 144 **D)** 161

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Question 31

what will be the output of the following pseudo code for a = 1, b = 4?

```
Integer funn(Integer a, Integer b)
   if(2 > a)
      return funn(a+1, a+2) + funn(a+3, a+4)
   End if
   return a + 1
```

A) 20 **B)** 5 **C)**13 **D)** 8

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Question 32

what will be the output of the following pseudo code?

```
Integer j, m
Set m = 2
Integer a[4] = {2, 1, 1, 2}
m = m ^ a[2]
if(a[1] > 1)
   m = m ^ 1
Else
   m = m ^ 2
End if
Print m
```

A) 12 B) 1 C)-1 D) 8

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Question 33

what will be the output of the following pseudo code?

```
Integer p, q, r
Set p = 4, q = 5, r = 6
q = 3 + r
p = q & p
r = q + r
p = p + q
Print p + q + r
```

A) 19 **B)** 33 **C)**38 **D)** 53

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Question 34

what will be the output of the following pseudo code?

```
Integer p, q, r
Set p = 0, q = 5, r = 8
if(1 < q OR (p + r) < (r - p))
   r = 8 + p
End if
p = (p ^ 6) + p
p = q + q
Print p + q + r
```

A) 27 **B)** 23 **C)**18 **D)** 32

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Question 35

what will be the output of the following pseudo code?

```
Integer p, q, r
Set p = 9, q = 6, r = 5
p = ( r & 5) ^ r
p = ( q + q) + q
q = 10 ^ p
Print p + q + r
```

A) 47

B) 56

C) 78

D) 45

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Question 36

what will be the output of the following pseudo code?

```
Integer pp, qq, rr
Set pp = 7, qq = 7, rr = 6
for (each rr from 3 to 5)
   pp = qq + pp
   if((3 - rr - qq) > (qq - pp))
      pp = 3 + rr
      pp = (qq ^ pp) & pp
   End if
End for
Print pp + qq
```

A) 11 B) 13 C) 14 D) 16

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Question 37

what will be the output of the following pseudocode for a = 7, b = 6, c = 4?

```
Integer funn(Integer a, Integer b, Integer c)
   if((3-6) < (9-c) && c < a)
      a = (b + 7) + c
   End if
   return a + b + c
End function funn()
```

A) 22

B) 25

C) 27

D) 30

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Question 38

what will be the output of the following pseudocode?

```
Integer pp, qq, rr
Set pp = 2, qq = 8, rr = 5
if ((pp & rr & qq) > (qq & pp))
   if((rr ^ pp) < pp)
      rr = (qq ^ 2) + pp
   End if
   pp = 5 + rr
   pp = (pp + 3) ^ qq
Else
   if((9 - 5) > (rr + 9))
      rr = (pp ^ 8) + rr
      qq = (qq + 7) + qq
   End if
End if
Print pp + qq + rr
```

A) 10

B) 13

C) 15

D) 17

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Question 37

what will be the output of the following pseudocode?

```
Integer p, q, r
Set p = 0, q = 3, r = 7
r = 2 + r
r = (q ^ q) + r
for(each r from 5 to 6)
   q = 12 + q
   if(q > p OR (q + r) < (r - q))
      q = (11 + 9) + p
      q = (r + p) & p
      Jump out of the loop
   End if
End for
Print p + q
```

A)-2 B)1 C)0 D)5

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Question 38

what will be the output of the following pseudocode for a = 4, b = 2?

```
Integer funn(Integer a, Integer b)
   if(a > b || b < a)
      return 1 + funn(a+a-b+b+b+a, a+a-b+b+b+a)
   End if
   return a
```

A) 27 **B)** 10 **C)** 19 **D)** 15

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Question 39

what will be the output of the following pseudocode?

```
Integer pp, qq, rr
Set pp = 6, qq = 7, rr = 10
if(4 < rr OR qq < rr)
   rr = (qq + rr) + pp
   qq = 7 & pp
End if
Print pp + qq + rr
```

A) 35 **B)** 54 **C)** 16 **D)** 43

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Question 40

what will be the output of the following pseudocode?

```
Integer p, q, r
Set p = 9, q = 6, r = 5
p = (r & 5) ^ r
p = (q + q) + q
q = 10 ^ p
Print p+q+r
```

A)57 B)48 C)46 D)47

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Question 41

what will be the output of the following pseudocode for a = 5, b = 2?

```
Integer funn(Integer a, Integer b)
   if(b < a)
      a = 1
      b = b + a
      return funn(a, b+a)
   End if
   return a + b + 1
```

A) 14 **B)** 9 **C)** 3 **D)** 6

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Question 42

what will be the output of the following pseudocode?

```
Integer p, q, r
Set p = 7, q = 6, r = 9
q = (9 + 6) & p
if((q ^ p ^ r) < (r ^ q))
   q = (p ^ 9) + p
   p = 12 + p
End if
Print p + q + r
```

A) 49 **B)** 51 **C)** 55 **D)** 46

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Question 43

what will be the output of the following pseudocode?

```
Integer a, b, c
Set a = 3, b = 2, c = 7
for(each c from 5 to 9)
   b = b + c
End for
a = (5 + 10) + a
c = (12 + 10) ^ c
for(each c from 5 to 6)
   a = (c + b) + b
   b = (a ^ 9) + b
End for
Print a + b
```

A) 540 **B)** 547 **C)** 620 **D)** 536

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Question 44

what will be the output of the following pseudocode?

```
Integer pp, qq, rr
Set pp = 7, qq = 7, rr = 6
for(each rr from 3 to 5)
   pp = qq + pp
   if((3 - rr - qq) > (qq - pp))
      pp = 3 + rr
      pp = (qq ^ pp) & pp
   End if
End for
Print pp + qq
```

A) 14 **B)** 12 **C)** 24 **D)** 16

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Question 45

what will be the output of the following pseudocode for a = 7, b = 6, c = 4?

```
Integer funn(Integer a, Integer b, Integer c)
   if((3 - 6) < (9 - c) && c < a)
      a = (b + 7) + c
   End if
   return a + b + c
End function funn()
```

A) 29 **B)** 32 **C)** 23 **D)** 27

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Question 46

what will be the output of the following pseudocode for a = 7, b = 6, c = 4?

```
Integer funn(Integer a, Integer b, Integer c)
   if((3 - 6) < (9 - c) && c < a)
      a = (b + 7) + c
   End if
   return a + b + c
End function funn()
```

A) 29 **B)** 32 **C)** 23 **D)** 27

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Question 47

what will be the output of the following pseudocode?

```
Integer j, m
Set m = 1
Integer a[4] = {9, 1, 3, 4}
if(a[0] > a[1])
   m = m + a[3] + a[2] + a[1] - a[0]
End if
Print m
```

A)5 B)0 C)-3 D)-2

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Question 48

what will be the output of the following pseudocode?

```
Integer p, q, r
Set p = 0, q = 5, r = 8
if(1 < q OR (p + r) < (r - p))
   r = 8 + p
End if
p = (p ^ 6) + p
p = q + q
Print p + q + r
```

A) 23 B) 3 C) 12 D) 16

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Question 49

what will be the output of the following pseudocode for a = 5, b = 2?

```
nteger funn(Integer a, Integer b)
   if(b < a)
      a = 1
      b = b + a
      return funn(a, b+a)
   End if
   return a + b + 1
```

A)3 B)9 C)6 D)14

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Question 50

what will be the output of the following pseudocode for a = 7, b = 6, c = 4?

```
Integer funn(Integer a, Integer b, Integer c)
   if((3 - 6) < (9 - c) && c < a)
      a = (b + 7) + c
   End if
   return a + b + c
End function funn()
```

A) 32 **B)** 27 **C)** 23 **D)** 29

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Question 51

what will be the output of the following pseudocode?

```
Integer a, b, c
Set a = 8, b = 5, c = 8
if((b + c) < (c - b))
   a = (c + c) + a
   b = c + a
   a = (c & b) + c
End if
a = (2 + 11) + b
Print a + b + c
```

A) 49 **B)** 32 **C)** 31 **D)** 24

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Question 52

what will be the output of the following pseudocode?

```
Integer a, b, c
Set a = 8, b = 4, c = 15
c = b ^ a
a = 7 + a
a = (a & c) + b
Print a + b + c
```

A) 28 **B)** 33 **C)** 32 **D)** 41

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Question 53

what will be the output of the following pseudocode?

```
Integer a, b, c
Set a = 1, b = 4, c = 8
if(b > c OR (a + b) < (b - a))
   a = (7 + 10) + a
   b = (8 + 5) + a
End if
Print a + b + c
```

A) 8 **B)** 17 **C)** 26 **D)** 13

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Question 54

what will be the output of the following pseudocode?

```
Integer p, q, r
Set p = 0, q = 4, r = 8
for(each r from 3 to 7)
   if((q - r) < (r + q))
      Jump out of the loop
   End if
   p = (6 + 3) + r
   p = (q + r) + r
End for
Print p + q
```

A) 2 **B)** 10 **C)** 4 **D)** 8

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Question 55

what will be the output of the following pseudocode for a = 2, b = 7, c = 6?

```
Integer funn(Integer a, Integer b, Integer c)
   if((b ^ a ^ c) < (a ^ c ^ b))
      if((a ^ b ^ c) > (c ^ a))
         c = a & b
      End if
      c = 7 & a
   Else
      if(a > b)
         a = 11 + b
      End if
   End if
   return a + b + c
End function funn()
```

A) 16 B) 23 C) 19 D) 15

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Question 56

what will be the output of the following pseudocode for a = 2, b = 8?

```
Integer funn(Integer a, Integer b)
   if(a + 10 > b || a > 20)
      return funn(a-10, a+10)
   End if
   return a + b + 10
```

A) 15 **B)** 24 **C)** 11 **D)** 14

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Question 57

What will be the output of the following pseudocode when a=12 b=6?

```
integer funn(Integer a, Integer b)
if(a+10>b || a>20)
return funn(a-10, a+10)
 End if
return a + b + 10
```

A) 15 **B)** 24 **C)** 11 **D)** 14

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Question 58

What will be the output of the following pseudocode?

Note-&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0. ^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0. ||: Logical operator OR - The Logical OR operator (||)returns the Boolean value TRUE(or 1)if either or both operands is TRUE and returns FALSE (or 0) otherwise.

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Question 59

What will be the output of the following pseudocode when a=12 b=6?

```
integer p, q, r
 Set p=7, q=8, r=7
r=(1^4) +r
 p=(q+12)+r
 q=(q+2)&p I
f (((r&q)q)
 p = r+p
p= (r+r)+p
 End if
 p=(q&9)+p
 p=(r+r)+p
 Print p+q+r
```

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Question 60

A) 161

B) 107

C) 104

D) 106

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Question 61

What will be the output of the following pseudocode?

```
integer p, q, r
 Set p=0, q=4, r=8
for(each r from 3 to 7)
if((q-r)<(r+q))
 jump out of the loop
 End if
p=(6+3)+r
p=(q+r)+r
End for
Print p+q
```

A) 2 B) 8 C) 4 D) 10

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Question 62

What will be the output of the following pseudocode?

```
integer p,q,r
Set p=4, q=2, r=7
 q=(7+5)+r
r=(p+5)+r
if ((q+5)<(5-q))
 p =(r+r)*q
r = p+p
 End if
Print p+q+r
```

A) 49 **B)** 39 **C)** 36 **D)** 46

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Question 63

What will be the output of the following pseudocode? Note-&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0. ^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

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Question 64

```
Integer p,q,r
Set p=9, q=6, r=5
p=(r&5)^r
p=(q+q) + q
 q = 10 ^p
Print p+q+r
```

A)47 B)46 C)57 D)56

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Question 65

What will be the output of the following pseudocode? Note:-^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1.Otherwise , the corresponding result bit is set to 0.

FACE Prep

Question 66

```
integer a, b, c
Set a=1, b=4, c=6
c=(c+a)+a
a=(b+b)+c
c=(c^9)+a
a=11+a
Print a+b+c
```

A)48 B)51 C)54 D)44

FACE Prep

Question 67

What will be the output of the following pseudocode? Note:-^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

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Question 68

```
Integer a, b, c
Set a=8, b=2, c=4
if((a^c)<b))
if((a+c)<(c-a))
a=9+c
if((c+8)<(8-c))
c=(c+c)+b
c=c+a
End if
End if
End if
b=(4^3)+c
Print a+b+c
```

A)30 B)33 C)23 D)20

FACE Prep

Question 69

What will be the output of the following pseudocode?
Note-&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

FACE Prep

Question 70

```
Integer a, b, c
Set a=5, b=7, c=7
for(each c from 3 to 5)
if((a+b+c)>(c-a))
b=(a&c)+c
a=c+c
End if
a=(b^c)+c
End for
Print a+b
```

A)24 B)26 C)28 D)30

FACE Prep

Question 71

What will be the output of the following pseudocode?
Note:-^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

```
Integer a, b, c
Set a=9, b=4, c=15
a= (c+9)^b
b= (a+9)+a
a= 3^b
Print a+b+c
```

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Question 72

A) 143

B) 147

C) 156

D) 146

FACE Prep

Question 73

What will be the output of the following pseudocode?

Note:-||: Logical operator OR - The Logical OR operator (||)returns the Boolean value TRUE(or 1)if either or both operands is TRUE and returns FALSE (or 0) otherwise.

```
Integer p,q,r
Set p=6, q=7, r=6
if(p>q || q<r) 4
r = 12+p
q=(q+r)+q
End if
Print p+q+r
```

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Question 74

A) 56

B) 19

C) 55

D) 68

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Question 75

What will be the output of the following pseudocode?Note:-^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

```
Integer a, b, c
Set a=0, b=9, c=13
c=(c+a)+b
a=b^c
c=(a+a)^c
Print a+b+c
```

FACE Prep

Question 76

A) 88

B) 78

C) 80

D) 82

FACE Prep

Question 77

What will be the output of the following pseudocode?

```
Integer pp, qq,rr
Set pp=6, qq=8, rr=8
for(each rr from 2 to 3)
if((pp-rr)<(rr+pp))
qq=qq+pp
End if
qq=qq+pp
Print pp+qq
```

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Question 78

A) 22

B) 37

C) 30

D) 28

FACE Prep

Question 79

What will be the output of the following pseudocode when p=-5,q=4?
Note:-||: Logical operator OR - The Logical OR operator (||)returns the Boolean value TRUE(or 1)if either or both operands is TRUE and returns FALSE (or 0) otherwise

```
Integer funn(Integer p,
Integer q)
if(p>1)
return 1
End if
if(q>0 || p>0)
return funn(0,
q-1)+funn(p+2,0)
Else
return p+1
End if

return q
```

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Question 80

A) 8

B) 5

C) 3

D) 2

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Question 81

What will be the output of the following pseudocode?

Note-&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

```
Integer p, q, r
Set p=2, q=6, r=5
q=q+p
r=p+p
p=r+q
p=(r+q)&q

Print p+q+r
```

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Question 82

A) 20

B) 8

C) 30

D) 24

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Question 83

What will be the output of the following pseudocode?

Note-&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0

FACE Prep

Question 84

```
Integer a, b, c
Set a=0, b=6, c=9
for(each c from 2 to 5)
a = 4 + c
if((c+b) <(b-c))
b=(b^a)+b
a= 10&a
End if
End for
  Print a+b
```

A) 24 B) 11 C) 19 D)15

FACE Prep

Question 84

What will be the output of the following pseudocode when a=12 b=6?

```
Integer funn(Integer a, Integer b)
if(a+10>b || a>20)
return funn(a-10, a+10)
End if
return a + b + 10
```

A) 34 **B)** 32 **C)** 36 **D)** Infinite loop

FACE Prep

Question 85

What will be the output of the following pseudocode?
Note:^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

```
Integer p,q,r
Set p=9, q=7, r=6
for(each r from 2 to 3)
q = 11+p
End for
for(each r from 3 to 5)
q= 9^r
End for
Print p+q
```

A) 21

B) 11

C) 25

D) 39

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Question 86

What will be the output of the following pseudocode?
Note: mod finds the reminder after the divisions of one number by another. For example , the expression " 5 mod 2" would evaluate to 1 because 5 divided by 2 leaves a quotient of 2 and a reminder of 1

```
Integer arr[ ] = { 10,7,2,6,1,2,3 }
Integer sum , x
Set sum =0
for(each x from 0 to 6)
if(arr[-1] mod 3 >1)
sum = sum +arr[x]
End if
End for
Print arr[4]
```

A) 4

B) 9

C) 1

D) 5

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Question 87

What will be the output of the following pseudocode for a=1, b=3, c=5? Note:^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

```
Integer funn(Integer a, Integer b,
Integer c)
for(each c from 5 to 3)
b = 11+c
if((b+5)>(c-b))
a=(5+5)&c
End if
End for
return a + b
```

A) 23

B) 29

C) 27

D) 16

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Question 88

What will be the output of the following pseudocode?
Note-&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

```
Integer p,q,r
Set p = 3, q=2, r=12
q=12+r
for(each r from 5 to 6)
q = (p&r) +r
p= q
End for
Print p+q
```

A) 29

B) 24

C) 20

D) 32

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Question 89

What will be the output of the following pseudocode?
Note-&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.
^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

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Question 90

```
Integer pp, qq, rr
Set pp=2, qq=7, rr=3
for(each rr from 4 to 5)
qq=(qq+pp)+pp
if((pp^qq)<qq)
continue
Else
rr=(pp+rr)+qq
End if
End for
Print pp+qq
```

A) 13

B) 17

C) 4

D) 24

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Question 91

What will be the output of the following pseudocode?
Note: Continue; When a continue statement is encountered inside a loop , control jumps to the beginning of the loop for the next iteration, skipping the execution of statements inside the body of the loop for the current iteration.
^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

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Question 92

```
Integer a, b, c
Set a=5, b=6, c=10
for(each c from 2 to 0)
if (a<c)
continue
End if
b= (c+c)^a
b= 9 +a
End for
Print a+b
```

A) 20

B) 27

C) 30

D) 19

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Question 93

What will be the output of the following pseudocode?
Note: ^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

```
Integer p, q, r
Set p =0, q=7, r=5
if((p+q)>(r-p) OR (r<q)
q=(9+2)^q
r=q+r
End if
Print p+q+r
```

A) 27 **B)** 38

C) 35 **D)** 29

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Question 94

What will be the output of the following pseudocode?
Note: &&-: Logical AND - The logical AND operator (&&) returns the Boolean value true(or 1) if both operands are true and return false (or 0) otherwise.
^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

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Question 95

```
Integer p,q,r
Set p=1, q=3, r=8
p=3^r
if((r^3)<8 && (4^6)<r)
q=r^q
Else
p=(p+q)+r
End if
Print p+q+r
```

A) 30

B) 33

C) 27

D) 24

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Question 96

What will be the output of the following pseudocode?
Note-&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.
^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.
||: Logical operator OR - The Logical OR operator (||)returns the Boolean value TRUE(or 1)if either or both operands is TRUE and returns FALSE (or 0) otherwise.

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Question 97

```
Integer a, b, c
Set a=0, b=9, c=5
a=(c+12)^b
if((b+c)>(c-b) || 3>b)
b= (11+5)&b
End if
b=1&c
Print a+b+c
```

A) 40

B) 30

C) 31

D) 25

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Question 98

What will be the output of the following pseudocode p=5,q=10,r=15?
Note: << is the left shift operator , it takes two number , left sides the bits of the first operand, the second operand decides the
number places to shift

```
void fun(Integer p, Integer q, Integer
r)
p= p>>1
q= q>>1
r= r>>1
p= p>>1
q= q>>1
r= r>>1
Print p+q+r
End function fun()
```

A) 7

B) 5

C) 6

D) 10

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Question 99

What will be the output of the following pseudocode?
Note-&: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.
^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.
||: Logical operator OR - The Logical OR operator (||)returns the Boolean value TRUE(or 1)if either or both operands is TRUE and returns FALSE (or 0) otherwise.

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Question 99

```
Integer p,q,r
Set p=9, q=10, r=6
q=8+q
if((p>r || (q+r) > (r-q)))
p=(p&12)+p
End if
p=(r+4)^r
Print p+q+r
```

A) 37 B) 36

C) 44 D) 32

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Question 100

What will be the output of the following pseudocode?
Note:-&:bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1 , the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.
^ is the bitwise exclusive OR operator that compares each bit of its first operand to the corresponding bit of its second operand. If one bit is 0 and the other bit is 1 , the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

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Question 100

```
Integer p,q,r
Set p=7, q=6, r=9
q= (9+6)&p
if((q^p^r)<(r^q))
q=(p^9)+p
p=12+p
End if
Print p+q+r
```

A) 51 B) 55

C) 49 D) 46

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THANK YOU

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