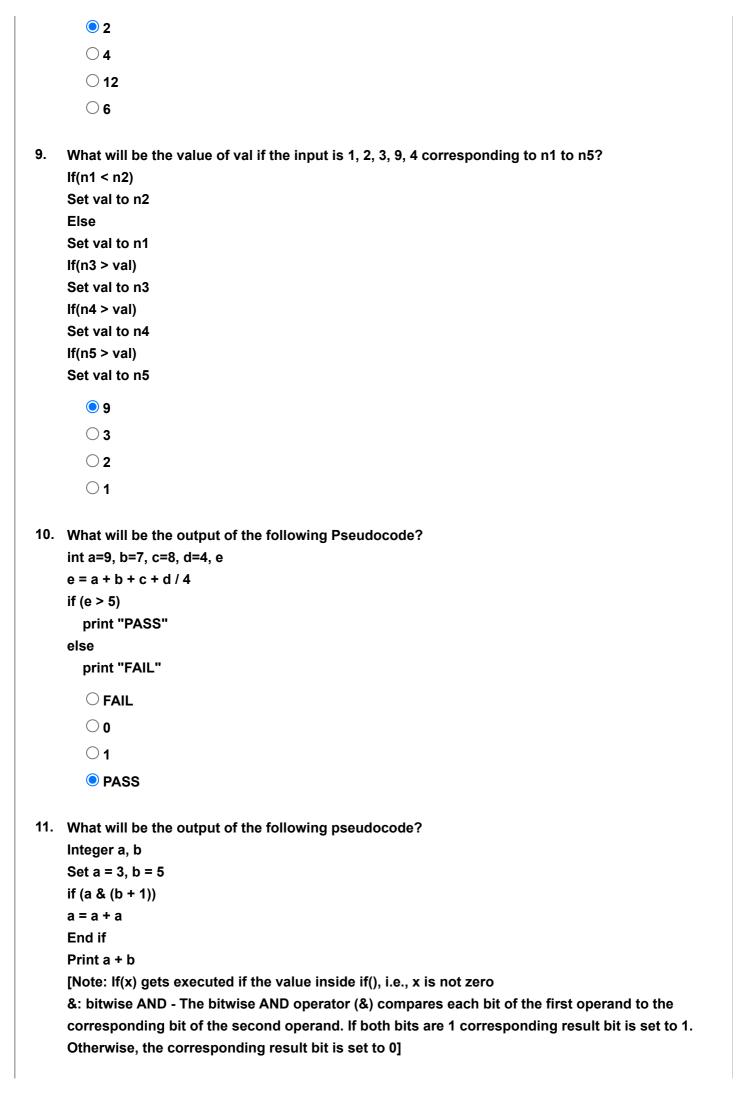
1.	What is the output of the following code if the value of give and receive is 500 and 900, respectively?
	Input give, receive
	lost = receive - give
	perc = (lost / receive) * 100
	Print(perc)
	○ 55.55
	• 44.44
	○ 55.4
	○ 64.7
2.	What is the output of the following code?
	z = 3 + 4 - 20 * 4 * 4 + 7
	print(z)
	○ -310
	● -306
	○ 306
	○ 310
3.	What is the output for the following code, if the value of a is 4, n is 12, and r is 2? Input a, n, r sum = 0 sum = (a * (1 - power(r, n + 1))) / (1 - r) Print(sum)
	○8
	○ 16382
	○ 64
	32764
4.	What is the output for the following code, if the value of a is 20 and b is 35? Integer a, b
	Input a, b
	a = b
	b = a Print(a,b)
	○ 20 35 ● 25 35
	● 35 35→ 20 20
	○ 20 20 ○ 25 20
	○ 35 20

5.

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What will be the output of the following pseudocode?
integer a =50, b =25, c =5
print a * b / c + c
        255
        O 125
        120
        256
    What will be the output of the following pseudocode?
     int j = 41, k = 37
     j = j + 1
     k = k - 1
     j = j / k
     k = k / j
     print k, j
        42 36
        36 1
        \bigcirc 1 1
        \bigcirc 1 36
7.
     What will be the output of the following pseudocode?
     input m=9,n=6
     m=m+1
     n=n-1
     m=m+n
     if(m>n)
       print m
     else
       print n
        \bigcirc 10
        \bigcirc 6
        \bigcirc 5
        15
8.
     What will be the output of the following pseudocode for a=12 and b=-26?
     start
     take 2 variables a and b
     check if a is less than 0 set a = -a
     check if b is less than 0 set b = -b
     repeat while a is not equal to b
     if a > b set a = a-b
     else set b = b - a
     print a
     Stop
```



	\bigcirc 30
	○8
	\circ 7
12.	What will be the output of the following pseudocode? Integer a, b Set a = 10 Set b = a + a if (b > a && 0) b = b - a b = b mod a End if if (b > a 0) b = b + a
	b = b + a
	End if Print b
	[Note- mod finds the remainder after the division of one number by another. For example, the "5 mod 2" would evaluate to 1 because 5 divided by 2 leaves a quotient of 2 and a remainder of 1] [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 &: 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]
	○ 50
	○ 10
	40
	○ 20
	\odot 20
13.	What will be the output of the following pseudocode for given array a[5]=3,4,6,1,2 and pos is 2? [note: n=size of the array i.e. 5 and starting array index is 0] Declare i,j,n,pos repeat for j=pos to n-1 set a[j] = a[j+1] [end of loop] n=n-1; display the new array end
	O 3 2 4 6 1 2
	3 4 1 2
	O 3 4 2 1 2
	O 3 6 1 2
14.	

11

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What will be the output of the following pseudocode?
input: 5
algorithm (integer num)
set integer i = 2
while i <= num/2
  if num mod i = 0
     print "unsuccessful" and exit;
  i = i+1
if (i == (num/2)+1)
  print "successful"
        Olt will not print anything
        Successful
        O Unsuccessful
        O Undefined behavior of the algorithm
15. What will be the output of the following algorithm?
     start
     declare a, i and b
     for i = 0 to 4
     increment a by 1
     if i=3 then
     print hello
     get out of the loop
     end if
     end for
     print a
        \bigcirc 1
        \bigcirc 4
        O hello
        hello4
16. Predict the output.
     a = 1
     b = 2
     c = 3
     d = 4
     e = 5
     f = 6
     n = 1
     repeat until(n <= 5) {
       a = a + n
       b = b + n
       c = c + n
       d = d + n
       e = e + n
```

```
f = f + n
  print(f)
  n = n + 1
}
        O 9 11 14 18 23
        O 7 9 12 16 21
        0 10 12 15 19 24
        0 8 10 13 17 22
17. What is the output of this code?
     a = 5
     b = 10
     n = 1
     Repeat until(n < 5):
       c = a + b
       a = b
       b = c
       print(c)
       n = n + 1
        15 30 45 60
        15 25 40 65
        15 20 25 30
        15 30 60 120
18. What is the output of the following code?
     n = 1
     x = 10
     y = 10
     z = 10
     sum = 0
     i = 0
     Repeat till(i <= n) {
       sum = (x + y + z) * (x - y - z)
       i = i + 1
     }
     print(sum)
        O 29
        O -300
        \bigcirc 30
        \bigcirc 31
```