```
1.
      #include<stdio.h>
      int something(int number)
              if(number <= 0)</pre>
                       return 1;
              else
                       return number * something(number-1);
      }
      void main()
      {
              printf("%d", something(4));
      }
       \bigcirc 22
       24
       \bigcirc 10
       \bigcirc 13
2.
    What is the output of C Program with functions.?
      #include
      int sum(int,int);
      int main()
      {
          int a=5, b=10, mysum;
          mysum = sum(a,b);
          printf("SUM=%d ", mysum);
          printf("SUM=%d", sum(10,20));
          return 0;
      }
      int sum(int i, int j)
      {
          return (i+j);
      }
       SUM=15 SUM=30
       ○ SUM=15 SUM=15
       ○ SUM=30 SUM=30
       ○ SUM=30 SUM=15
    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+fuction(a,b-1))
    else
    return 0
```

 88 72 65 4. What will be the output of the following pseudocode? input n = 1234 integer q, r and rn set q = n and rn = 0 while(q>0) r = q mod 10 rn = rn + r ^ 3 q = q/10 end while loop print rn 100 36 321 10 5. What will be the output of the following code, for 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 75 68 70 72 6. What will be the output of the following pseudo code for x=3 and y=4? integer fun(int x, int y) if(x>0) fun(x-1,y+1); End if Print y End function fun() 7 6 5 4 8 5 4 2 5 2 1 4 		○ 56
 65 What will be the output of the following pseudocode? input n = 1234 integer q, r and rn set q = n and rn = 0 while(q>0) r = q mod 10 m = rn + r ^ 3 q = q/10 end while loop print rn 100 36 321 10 What will be the output of the following code, for a = 8 & b = 9? Function(input a, input b) If(a < b) return function(b, a) elseif(b l = 0) return (a + function(a,b-1)) else return 0 75 68 70 72 What will be the output of the following pseudo code for x=3 and y=4? integer fun(int x, int y) if(x>0) fun(x-1,y+1); End if Print y End function fun() 7 6 5 4 8 5 4 2 		○ 88
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140

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7.
    What will be the output of the following pseudo-code if n=40 and LIMIT=100
    Integer fun2(Integer n);
    if(n <+ 0)
       return 1;
    if(n > LIMIT)
       return 2;
    Print n
    fun2(2*n);
    Print n
    End function fun2()
       0 40 80 80 40
       0 80 120 120 80
       0 10 20 20 10
       20 40 40 20
8.
    What will be the values of t if a=56, b=876?
    read a,b
    function mul(a,b)
       t=0
       while (b!=0)
         t=t+a
         b=b-1
       end while
       return t;
    end function
       490561
       490563
       490562
       • 49056
9.
    What will be the output of the following pseudocode for i=140?
    Integer fun(integer i)
    if((i MOD 2) NOT EQUALS 0)
       Return i
    Else
       Return fun(fun(i-1))
    End function fun()
       138
       ○ None
       139
```

10. Consider the following pseudocode.

Function (input n)

{

If (n<2)

Return n;

Else return function(n-1) + function (n - 2)
}

0 1 2 3

2 4 6 8

0 0 1 1 2

1 3 5 7