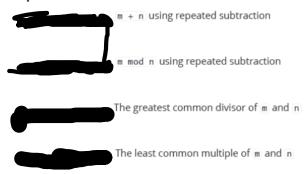
1. Sep 22, Quiz 1

Question Label: Multiple Choice Question

```
1  def fun(m,n):
2    if m == n:
3        return n
4    else:
5        if m > n:
6            return fun(m-n, n)
7     else:
8        return fun(m, n-m)
```

What does the function fun compute?

Options:



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2. Sep 22, Quiz 1

Question Label : Multiple Choice Question

```
def prime_bad(n):
    if n < 2:
        return False
    for i in range(2, int(n**0.5)):
        if n % i == 0:
            return False
    return True</pre>
```

Here is a function $prime_bad$ that takes a positive integer n as input and returns True if the number is prime and False otherwise. There is an error in this function. For which of the following input values of n, does function $prime_bad$ return an **incorrect** output?

Options:



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3. Jan 23, Quiz 1

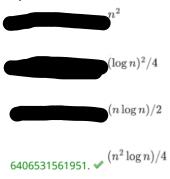
Question Label: Multiple Choice Question

Consider the following function:

```
def fun(n):
    total = 0
    for i in range(n//2,n):
        j = 2
    while(j <= n):
        total = total + n/2
        j = j * 2
    return total</pre>
```

Which of the following option correctly mentions the return value (total) of function fun in terms of n? Consider that input $n=2^k$ where k is a positive integer.

Options:



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