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Quiz (10)

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QUESTIONS

QUESTION 4

5 marks

Predict output of the following program

Python Code

```
def function(n):  
  
    if n==4:  
  
        return n  
  
    else:  
  
        return 2*function(n+1)  
  
print(function(2))
```

4

8

16

Runtime Error

Your submitted response was incorrect.

Explanation

Fun(2)= 2* Fun(3) and Fun(3)= 2* Fun(4) ... (i)

Fun(4) = 4 ... (ii)

From equation i and ii

Fun(2) = 2 * 2 * Fun(4)

Fun(2) = 16

So, C is the correct answer

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