

# Quiz # 1 (B)

EC-102 – Computer Systems and Programming

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Thursday 3<sup>rd</sup> December, 2015

## Quiz # 1 (B)

Write a recursive function `power(base, exponent)` that,

- When invoked, returns  $base^{exponent}$
- *Hint:*

- The recursion step would use the relationship

$$base^{exponent} = base \cdot base^{exponent-1} \text{ and}$$

- Terminating condition occurs when exponent is equal to 1, because

$$base^1 = base$$