

DISCUSSION 3.1 (2.0 HOURS)

Title: Processors and Their Characteristics

Assume that you are an information technology (IT) consultant at an organization that creates high-resolution graphics and videos for an advertising company. Your organization wants to replace its old computers with new, improved ones. Your manager assigns you the task of studying the latest Intel and AMD processors and making a recommendation that is feasible and suits the organization's requirements.

Using the Internet and ITT Tech Virtual Library, gather information on the following:

- The latest Intel and AMD processors available
- Characteristics of these processors

Based on the information collected by you, answer the following questions:

- Which processor would you recommend for high-resolution graphics and video? Why?
- If a 1 GHz processor is replaced by a 2 GHz processor, do all programs execute twice as fast?

Participation Requirements:

Reply to your classmates with at least two responses. When responding to the discussion assessment, do the following:

- Provide complete, well-thought-out responses.
- Ask questions, share experiences, challenge ideas, and help your peers expand their responses.
- You must discuss your recommendations on the basis of the following two points:
 - The relationship between CPU clock speed and the power consumed by the processor
 - Reasons for choosing Intel processors over AMD or vice versa

Please Note: One-sentence answers will not be sufficient. If your answer is "I agree" or "I disagree," explain why you agree or disagree. Remember that the discussion assessment is your opportunity to interact with your fellow classmates. Observe discussion assessment etiquette: be respectful, kind, and nonjudgmental of your classmates.

Evaluation Criteria:

The [Discussion rubric](#) will be used to evaluate this assessment.