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TQ – I2

**True / False**

**Q:** Before a program runs, an activation record is created for every function and is kept in memory until the program finishes executing.

**A:** False. An activation record is only created during run time when entering a function, and is destroyed when the function ends.

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**Multiple Choice**

**Q:** Locally declared variables are placed into an activation record. These activation records are stored in an area called \_.  
A. run-time heap  
B. run-time stack  
C. code storage  
D. static storage

**A:** B. run-time stack.

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**Fill in the Blank**

**Q:** To communicate to the compiler that the code should not be determined until the program is running, we need two tools: \_ and \_.

**A:** pointer variables, virtual methods

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**Short Answer**

**Q:** What is a pointer variable?

**A:** A pointer variable contains the location, or address in memory, of a memory cell.

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