Test Bank for Starting Out with Programming Logic and Design 6th Edition by Gaddis

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SIXTH EDITION



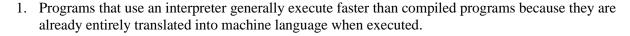
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TONY GADDIS

Test Bank

Starting Out with Programming Logic and Design 6e (Gaddis) Chapter 1 Introduction to Computers and Programming

TRUE/FALSE



ANS: F

2. System software typically includes applications that people normally use most often on their computers, such as word processing programs, games, or web browsers.

ANS: F

3. Assembly language is referred to as a high-level language because it is similar to the C++ language.

ANS: F

4. The instruction set for a microprocessor is unique and is typically understood only by the microprocessors of the same brand.

ANS: T

5. The CPU understands binary instructions.

ANS: T

6. A bit that is turned off is represented by the value -1.

ANS: F

7. The main reason to use secondary storage is to hold data for long periods of time, even when the power to the computer is turned off.

ANS: T

8. RAM is volatile memory which means it cannot be erased.

ANS: F

9. The term software refers to all the physical devices, or components, that a computer is made of.

ANS: F

10. A syntax error does not prevent a program from being compiled and executed.

ANS: F

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11.	IDEs are specialized software packages that he	lp pr	ogrammers write pr	ogra	ams.
	ANS: T				
12.	Interpreted programs always execute faster tha	n coi	npiled programs.		
	ANS: F				
MUL	TIPLE CHOICE				
1.	A(n) is a program that translates a	ı higl	n-level language int	o a r	machine language program
	a. compiler b. CPU	c.	storage device	d.	IDE
	ANS: A				
2.	A(n) is a software package that us and tools to test and debug programs.	sually	y consists of a text e	dito	r, a compiler or interpreter
	a. compiler b. CPU	c.	storage device	d.	IDE
	ANS: D				
3.	is used to encode real numbers to	store	e them in the compu	ter's	memory.
	a. Floating-point notationb. Unicode		Assembly languag RAM	ge .	
	ANS: A				
4.	is an extensive encoding scheme to	that i	s compatible with A	SCI	Π.
	a. Floating-point notationb. Unicode		Assembly languag RAM	je	
	ANS: B				
5.	The physical devices that make up a computer	are i	ts		
	a. software b. applications	c.	hardware	d.	CPU
	ANS: C				
6.	Software refers to				
	a. programsb. physical components of a computer	c.	the CPU data stored in RAM	Л	
	ANS: A	u.	data stored in ICI	VI.	
7		n dox	y tagleg ara lenavyn ag		
7.	Programs that make a computer useful for ever a. system software		IDEs		·
	b. application software		operating systems		
	ANS: B				
8.	Which of the following is <i>not</i> an example of op-	perat	ing system software	?	
	a. Microsoft Word	c.	Linux		

	b. Windows	d.	Mac OS X
	ANS: A		
9.	Which of the following is <i>not</i> an example of app	plic	ation software?
	a. Microsoft Word		PowerPoint
	b. Windows	d.	a web browser
	ANS: B		
10.	Which of the following functions does an interp language?	rete	er perform with the instructions from a high-level
	a. it translates		it executes
	b. it compilesc. it compiles and translates		it translates and executes it compiles and executes
	ANS: E		
11.	is the term used for a set of rules the	nat r	must be strictly followed when writing a program.
			Grammar d. Key words
	ANS: B		·
10	The first high level and arranging levels on the t		ald manfamma assumban madhamatical salanlaticas and
12.	The first high-level programming language that	COU	ald perform complex mathematical calculations wa
	a. COBOL b. Ada	c.	C++ d. FORTRAN
	ANS: D		
13.	The computer language that uses mnemonics for	r wı	riting programs is
	a. Assembly b. Ada	c.	Java d. Pascal
	ANS: A		
14.	The cycle is used by the CPU to ex	ecu	ite instructions in a program.
	a. decode - fetch - execute		fetch - decode - execute
	b. decode - execute - fetch	d.	execute - fetch - decode
	ANS: C		
15.	Which of the following companies does not man	nufa	acture microprocessors?
	a. Intel b. Dell	c.	AMD d. Motorola
	ANS: B		
16.	The following is an example of an instruction w	ritte	en in the computer language.
	a. C++	c.	Java
	b. Assembly	d.	machine language
	ANS: D		
17	is the encoding technique used to s	tore	e negative numbers in the computer's memory

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	a. Unicode b. ASCII		two's complement	
18.		a se	et of 128 numeric codes which are used to represent	
	characters in a computer's memory.			
	a. Unicodeb. ASCII		binary numbering two's complement	
	ANS: B			
19.	What is the largest value that can be stored in o	ne b	yte?	
	a. 255 b. 128	c.	8 d. 16	
	ANS: A			
20.	The smallest storage location in a computer's m	The smallest storage location in a computer's memory is known as a		
	a. byte b. word	c.	bit d. switch	
	ANS: C			
21.	A computer system consists of all of the follow	ing (except	
	a. the CPUb. main memory		the operating system input and output devices	
	ANS: C			
22.	The term can be used to describe a	ınytl	ning that uses binary numbers.	
	a. digital		mnemonic	
	b. computer	d.	processor	
	ANS: A			
23.	The statements that a programmer writes in a h	igh-l	level language are called	
	a. binary codeb. pseudocode	c.	source code processor code	
	ANS: C	u.	processor code	
	ANS. C			
24.	Main memory is also called			
	a. ROM b. RAM	c. d.	the hard drive secondary storage	
	ANS: B			
25.	USB drives store data in a special type of memo	ory l	known as	
	a. magnetic memory		optical server memory	
	b. flash memory	d.	disks	
	ANS: B			

26. Computers can do many different jobs because they are

	a. programmableb. reliable		automated electronic		
	ANS: A				
27.	Application software refers to				
	a. programs that make the computer useful tob. the operating systemc. key wordsd. mobile devices	a u	ser		
	ANS: A				
28.	What is syntax?				
	 a. the rules that must be followed when writing a program b. the words that have a special meaning in the programming language c. the symbols or words that perform operations in a program d. the words or characters that are defined by the programmer 				
	ANS: A				
29.	29 refers to the physical components that a computer is made				
	a. The deviceb. Hardware		Software The system		
	ANS: B				
30.	A computer program is				
	a. the same as main memoryb. only used for desktop computersc. a set of instructions that allow the computed. another name for an operating system	r to	solve a problem or perform a task		
	ANS: C				
31.	A program is a sequence of instructions stored	in _	•		
	a. the CPU		software		
	b. the computer's memory ANS: B	d.	the operating system		
32.	Each different type of CPU has its own		_•		
	a. syntaxb. high-level language		machine language software		
	ANS: C				
COM	PLETION				
1.	A program cannot be translated if it has		_ errors.		
	ANS: syntax				

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2.	A language allows the programmer to create very powerful and complex programs without knowing how the CPU works.
	ANS: high-level
3.	A(n) is used to translate Assembly language programs to machine language to be executed by the CPU.
	ANS: assembler
4.	In all numeric values are written as sequences of 1s and 0s.
	ANS: binary
5.	The term stands for a binary digit.
	ANS: bit
6.	A is a person with the training and skill needed to design, create, and test computer programs.
	ANS: programmer
7.	Computers can do a wide variety of things because they can be
	ANS: programmed
8.	The is the most important component of a computer because, without it, the computer could not run software.
	ANS: CPU
9.	A disk drive, a USB drive, and an optical disk are all types of
	ANS: secondary storage
10.	Smartphones, car navigation systems, and tablets are all types of
	ANS: computers