

Name:			
Date:	 	 	

	ste	eps	unde	rstand		arrange	solution	ı	algorit	hms			
We o	create	e				to help so	olve a proble	em	or perf	orm a t	ask.		
To w	rite a	an alg	orithn	n, we m	nust			the	e proble	em and	come	e up with	а
				that m	akes	s sense.							
We o	can u	se log	ical th	inking	to b	reak down	a problem	int	to small	ler piec	es an	ıd think ab	οι
the _				th	at g	ive us the i	results we n	iee	d.				
				the ste	ns i	n an order	that makes	s s e	nse				
				the ste	eps i	n an order	that makes	se	nse.				
						n an order e type.	that makes	se	nse.				
		follo			e fil	e type.	that makes			otured v	with a	a camcord	ler
	h the 1) T	f ollo Text			e fil	e type. Moving pi	ctures with	so	und cap				
	h the 1) T	follo			e fil	e type. Moving pi		so	und cap				
	1) T	f ollo Text			e fil a) b)	e type. Moving pi Apps and	ctures with	so	und cap	y and a	llow	us to have	
	1) T 2) A 3) \	Follo Fext Audio Video			a) b)	e type. Moving pi Apps and Music, sou	ctures with programs tl	so hat	und cap we pla	y and a	llow	us to have	
	1) T 2) A 3) \	e follo Text Audio			a) b)	e type. Moving pi Apps and Music, sou	ctures with programs th und or voice	so hat	und cap we pla	y and a	llow	us to have	
	1) T 2) A 3) \	Follo Fext Audio Video	wing v		e fil a) b) c)	e type. Moving pi Apps and Music, sou	ctures with programs th und or voice	so hat e st	we pla cored or	y and ant the co	llow	us to have	
	1) T 2) A 3) \	Fext Audio /ideo	wing v		e fil a) b) c)	e type. Moving pi Apps and Music, sou Photograp A combina	ctures with programs th und or voice ohs, pictures	so hat e st	we pla cored or	y and ant the co	llow	us to have	

Term: II			
Session:	2023	_	2024



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ш	State	whether	the	stateme	nt is true	or false
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Image and video files are the same.	
A text file does not contain any numbers.	
A computer-controlled device can be found at a supermarket.	
The Internet of Things is a place on the internet to purchase things.	
Robots in a factory can build items.	

IV. Choose the correct option.

Certain types of file are saved when Pia uses her digital camera.

a) Text	b) Audio
c) Game	d) Video
e) Image	

Maris wants to record the songs she created. She knows that it will be saved as ______files on her computer.

f) Text	g) Audio
h) Game	i) Video
j) Image	

Banko downloads a few of these to play with his friends. Sorne of them need a joystick or controller.

a) Text	b) Audio	c) Image
d) Game	e) Video	



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V. State which of the following statements are true or false.

- a Farmers use smart tags on animals the tag is an Internet of Things device.
- b A printer that can reorder ink cartridges is not an Internet of Things device.
- c A fire/smoke alarm that can call the fire station is an Internet of Things device.
- d All home appliances can connect to the internet.
- Smart mirrors can display the time by connecting to the internet.
- f Computers control other devices.
- **g** A tablet is an Internet of Things device.



VI. Fill in the blank using words below.

fev	ver errors social skills learn from each other	er
sol	lve coding problems	
•	Team members can by sharing their k	nowledge.
•	Team members can develop thro	ough communication and
	teamwork.	
•	Working with others to code a program results in code with	n
•	Team members can work together to	_ that arise in the program



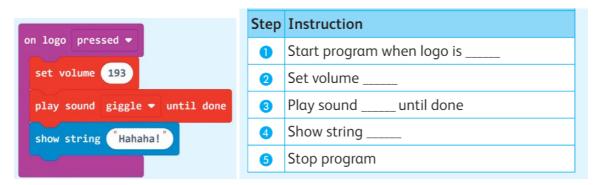
Name:				
Date: _				_

VII. Use the given information to fill in the blanks.

- plays the ringtone melody once at a volume of 180
- displays the heart icon
- clears the screen after 2 seconds.

Step	Instruction		
0	Start program when is pressed		
2	Set volume to		
3	Start melody repeating		
4	Show icon		
5	Pause seconds		
6	screen		
7	Stop program		

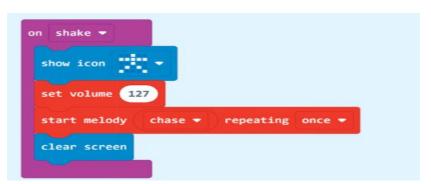
VIII. Use the following to complete the Algorithm.

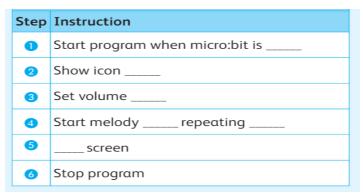




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IX. Use the following to complete the Algorithm.





X. Answer the following questions:

a) How can we describe the difference between characters with code and static objects in a program, and why might it be useful to include both in our programs?

b) How are files **organized** on a computer's hard drive? Why is it important for files to have different **names** and be **stored** in folders?



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	c)	Name an	y four types	of files you	u might find	on a con	nputer.
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1)	2)
3)	4)

d) Smart devices can be found in the home, school or in industries.

Name any four smart devices:

1)	2)
3)	4)

- e) List three computer-controlled devices.
 - 1) _____
 - 2) _____
- f) Identify three roles of **robots in the factory**.
 - 1) _____
 - 2) _____
 - 3) _____
- g) Briefly explain the use of logical thinking.
