

Pioneer Prep School - Sfax
School year : 2021/2022
End term test N°2
in Computer Science

Teacher: Mr. Abdelkarim BEN AYED

Classes : 7b 1, 2, 5, 6, 8

Date: Thursday 24/02/2022

Duration: 1 Hour


Name & Surname:Class.....

Mark :..... /20

Exercise 1 (5 pts) Circle the correct option (there is only one correct option)

- 1- To communicate with computers, we use : Coding language / English language
- 2- The code of a program is composed of : Words / Letters / Instructions
- 3- To use computers, we need to put in it : Videos / Applications / Images
- 4- We create computer applications with : Coding / Microsoft Word / Google Chrome
- 5- Coding is the synonym of : Speaking / Listening / Programming
- 6- In Scratch, the blocks hide and show are used to for : Backdrops / Sprites / Both
- 7- To save a Scratch project online, you need a : Scratch account / Internet / Both
- 8- You cannot use Scratch to create : Animated stories / Games / Text documents
- 9- With Scratch desktop, you can only save the projects on : The computer / The account
- 10- Scratch is a software used for : Browsing the web / Text processing / Visual coding

Exercise 2 (5 pts) Match these Scratch blocks with their correct roles

Blocks	Roles
1- switch backdrop to END	a- Move the sprite to a specified position
2- hide	b- Play a sound
3- show	c- Change the background
4- wait 1 seconds	d- Change the sprite's position
5- say Hello! for 2 seconds	e- Display a text
6- when  clicked	f- Make the sprite not visible
7- glide 1 secs to x: 10 y: 20	g- Start the program
8- go to x: 10 y: 20	h- Change the sprite's direction
9- start sound Melody	i- Make the sprite visible
10- point in direction 180	j- Pause the program for a certain time

1: / 2: / 3: / 4: / 5: / 6: / 7: / 8: / 9: / 10:

Exercise 3 (10 pts)

Write the scratch blocks to make a conversation between the three characters: "Ahmed", "Fatma" and "Omar".

<u>Duration</u>	<u>Backdrop</u>	<u>Ahmed says:</u>	<u>Fatma says:</u>	<u>Omar says:</u>
2 seconds	Title	(Not visible)	(Not visible)	(Not visible)
2 seconds	School	Hello guys	(listen)	(listen)
2 seconds	School	(listen)	Hi Ahmed	(listen)
2 seconds	School	(listen)	(listen)	Let's play
1 second	Football	OK	(Not visible)	(listen)
1 second	Football	(listen)	(Not visible)	GO
-	END	(Not visible)	(Not visible)	(Not visible)

Complete the code using the suitable blocks

Backdrop's code

Ahmed's code

Fatma's code

Omar's code

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1: **c** / 2: **f** / 3: **i** / 4: **j** / 5: **e** / 6: **g** / 7: **a** / 8: **d** / 9: **b** / 10: **h**

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1 second	Football	OK	(Not visible)	(listen)
1 second	Football	(listen)	(Not visible)	GO
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- | | | | |
|--|--|--|--|
| 1-When Fl clicked | 1-When Fl clicked | 1-When Fl clicked | 1-When Fl clicked |
| 2-Switch backdrop to Title | 2-hide | 2-hide | 2-hide |
| 3-Wait 2 seconds | 3-Wait 2 seconds | 3-Wait 2 seconds | 3-Wait 2 seconds |
| 4-Switch backdrop to School | 4-show | 4-show | 4-show |
| 5-Wait 6 seconds | 5-Say "Hello guys"
for 2 seconds | 5-Wait 2 seconds | 5-Wait 4 seconds |
| 6-Switch backdrop to Football | 6-Wait 4 seconds | 6-Say "Hi Ahmed"
for 2 seconds | 6-Say "Let's play"
for 2 seconds |
| 7-Wait 2 seconds | 7-Say "OK"
for 1 seconds | 7-Wait 2 seconds | 7-Wait 1 seconds |
| 8-Switch backdrop to END | 8-Wait 1 seconds | 8-hide | 8-Say "GO"
for 1 seconds |
| | 9-hide | | 9-hide |
| | | | |
| | | | |

