Computing

Loop the loop! Lesson 3 of 6

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Use this link to find the Scratch file: oaknat.uk/comp-TerasAdventure

Question 1

Look at the Repeat until loop that is used with the star sprite. What condition needs to be 'true' for the loop to terminate?

Question 2

In the same Repeat until loop, What does the Move 15 steps block do?

Question 3

The star sprite also contains a Forever loop. Describe the role of the first two motion blocks inside the Forever loop.



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Question 4

The same Forever loop contains this block of code:

wait pick random 1 to 3 seconds

What do you think the block of code does?

Source: Scratchblocks

Question 5

Looking at the same Forever loop, describe the purpose of its design.

Question 6



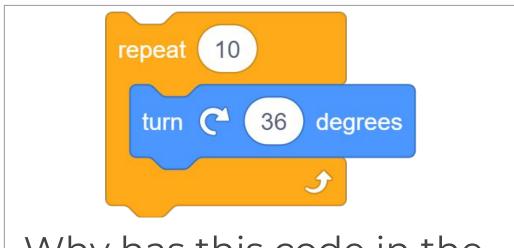
What do you think this block of code on the **star** sprite is used for? Why is it needed?

Source: Scratchblocks



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Question 7



Why has this code in the Tera jump subroutine been used instead of Turn 360 degrees?

Source: Scratchblocks

Question 8

Why does the **Play sound** block need to be inside this **Forever loop**? What is its purpose?



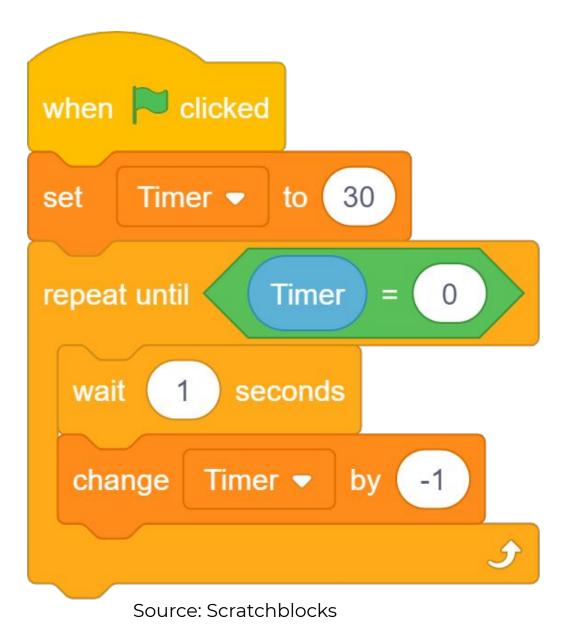
Source: Scratchblocks



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Question 9

This block of code is used as a countdown timer for the game. Which other type of loop could have been used for the same purpose? Describe how it could have been used.





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Question 10

In the **Tera angry** subroutine, why has a Repeat (30) loop been used for the costume instead of a Repeat until loop?

Question 11

This block of code uses a Forever loop. Could a Repeat until loop have been used instead? Explain your answer.



