الإمتحان

TEST,SET,GO!

Presented by **Al imtehaan**

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10 Lectures

Course Outline

Introduction to Coding

- What is coding?

- Why is coding important?

- Basic computer vocabulary

- Introduction to a simple coding platform (e.g. Scratch)

Getting started with Scratch

- Basic coding concepts: Sequencing and debugging

- Adding interactivity to Scratch projects: Using events and user input

- Creating animations in Scratch

- Creating interactive stories in Scratch

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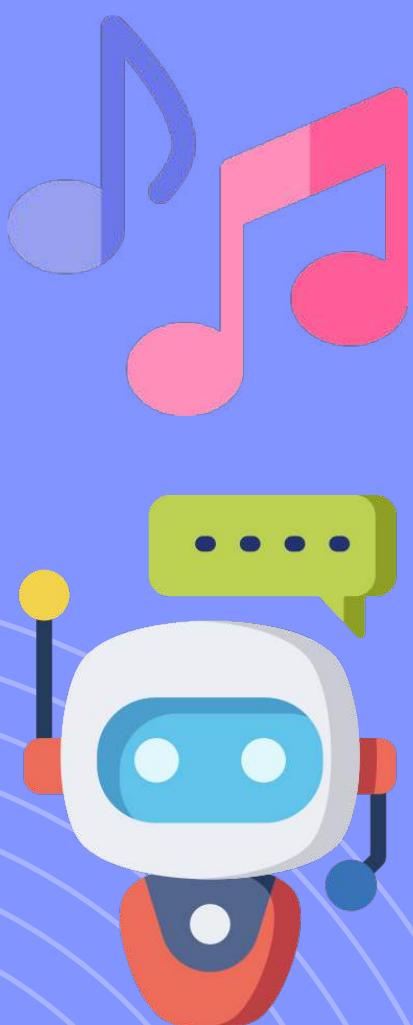
10+20 Lectures

Course Outline

Problem Solving with Code

- Debugging common coding errors

- Using problem-solving skills to design and create a project from scratch

- Introduction to more advanced coding concepts (e.g. functions and arrays)

- Creating more complex Scratch projects

Creating with Code:

- Using code to create art and music

- Using code to create a chatbot

- Creating a virtual pet in Scratch

- Building a simple website using HTML and CSS

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10+20 +30 Lectures

Course Outline

Importance of coding

- The importance of coding in the modern workplace

- Creating a simple program in Python

- Building a game in Unity

- Using code to create interactive data visualizations

Cybersecurity and Coding

- Creating a website using WordPress

- Introduction to cybersecurity and coding for security

- The role of coding in space exploration and scientific research

- Introduction to potential careers in technology

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Text Based Programming
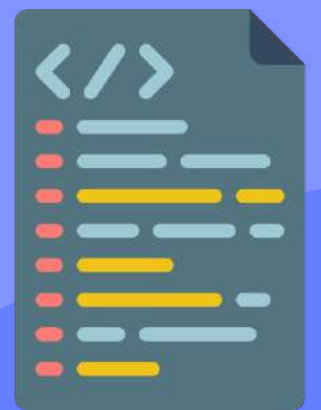
Problem Solving

Learning Outcomes

Collaborations

Open Source Projects

Key Points

See the world through coding

Learn how a computer talks

Show off your coding skills to the world

Apply CS concepts to create simple games