Module#1 Accessible Learning

Name_____ Class number: _____
Section: _____ Schedule: _____ Date: _____

Lesson title: Basic of Computing Platform: What is Programming?
Learning Targets:
How does computer programming work?
How to get started in computer programming?

A. Introduction

What is Programming?

Programming is a technological procedure for instructing a computer on what activities to carry out to address issues. In programming, people and computers work together to develop instructions for a computer to follow (code) in a language that computers can comprehend.

B. Main Lesson

1. How does computer programming work?

Programming essentially instructs a machine what to do. A programmer first creates code, which is a collection of letters, numbers, and other characters. A compiler then transforms every line of code into a language that a computer can comprehend. The computer then analyzes the code and executes it, carrying either a single operation or a set of related actions. Examples of tasks include displaying an image on a website or changing the text's font.

How to get started in computer programming?

I. Identify your programming goals.
   -Consideration of your objectives and driving forces is an essential first step. You can connect your efforts with the results you want if you are clear about what you want to accomplish and why. Here are some illustrations of programming objectives:
  • Start a new coding job in a particular industry
  • Take on new projects that incorporate programming with what you presently do and explore programming in your existing employment.
  • Develop your programming skills as a hobby by working on projects that interest you.

II. Enroll in an introductory programming course.

• Finding a programming course to introduce you to well-known programming languages and various applications for programming abilities is a fantastic option once you are aware of your ambitions. An introductory course might also help you focus your efforts and refine your goals.

III. Build essential programming skills.

• If you want to seek a new career or advance in your existing one, you should make sure you're learning crucial programming skills as you take classes. Even though the course you're taking might give an overview of key programming concepts and then organize the learning process accordingly, you might find it useful to discover what hiring managers are looking for.

IV. Connect with other programmers.

-You can learn about programming trends, opportunities, and solutions to common problems when you network and communicate with other programmers. Among the ways to interact with other programmers are:
  • Participating in networking events and tech conferences
  • Enrolling in a coding bootcamp
  • Consuming programming from thought leaders and influencers
  • Affiliating with an online neighborhood like CodeNewbie or Kaggle

V. Complete projects

-A fantastic method to put your talents to use and realize your programming potential is to finish projects. You can find online instructions for simple projects like:
  • Creating a mobile app
  • Creating a calculator app
  • Building a simple game
  • Building a basic website from scratch

VI. Explore your future in programming

•You will grow closer to reaching your goals the more programming knowledge, abilities, and projects you finish. Consider your programming future on a regular basis and look into your options, such as looking for programming jobs, working as a freelancer, creating apps for friends and family, and furthering your education

Conclusion:
Programming has provided a comprehensive understanding of computer programming. We've explored how computer programming works, delving into the process of giving instructions to computers through code. Additionally, we've learned about the initial steps to get started in computer programming, emphasizing the importance of selecting a programming language,

understanding basic syntax, and utilizing available resources. As you continue your programming journey, remember that practice, patience, and continuous learning are key factors in mastering this valuable skill.

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https://www.coursera.org/articles/what-is-programming