

Pre-Employment Program – Learning Plan (Technical)

Course	Learning Link	Practice Exercises	Practice Link
Introduction to Software Engineering	Computer Fundamentals	Not Applicable	Not Applicable
	Software Engineering – Part 1		
	Software Engineering – Part 2		
	Software Engineering – Part 3		
	Software Engineering – Part 4		
	Software Engineering – Part 5		
	Software Engineering – Part 6		
	Software Engineering – Part 7		
	SDLC Models		
RDBMS	Concepts	Refer to Zipped file	Oracle SQL Online Practice Lab
	SQL		
	ACID Properties in a DBMS		
	Transaction Processing		
	Concurrency Control Problems & Solution		
Oracle SQL	Oracle SQL		
NoSQL Overview	NoSQL – Part 1	Not Applicable	Not Applicable
	NoSQL – Part 2		
Object Oriented Concepts	Introduction to Object Oriented Concepts	Refer to Zipped file	Online UML Diagram Tool
	Implementing Object Oriented Programming		
	Object Oriented Programming Example		
	UML 2.0 Class Diagrams		
Java 8	Java Tutorial for Beginners	Refer to Zipped file	Java Online Practice Playground
HTML5 & CSS3	HTML5 & CSS3	Refer to Zipped file	HTML5, CSS3 Online Practice Playground
Introduction to Web Architecture	Introduction to Web Architecture	Not Applicable	Not Applicable
JavaScript	JavaScript	Refer to Zipped file	JavaScript Online Practice Playground

Note:

- Refer to document **Lab Access Guide - PEP Up.pdf** for step-by-step instructions while accessing the Practice link
- Practice Exercises are available in the file **Practice Exercise - PEP Up.zip**

Pre-Employment Program – Learning Plan (Soft Skills)

Note:

- All courses are from Udemy and are free
- Please **do not opt** for certificate

Topic	Learning Link	Objective
Communication	Effective communications skills for business	Effective communications skills
Communication	How to Be Assertive at Work	Understand what assertiveness means, how to be more assertive, and how it can help you
Communication	The Art of Communication Masterclass	Learn the Psychology Behind Effective Networking & Personal Communication
Listening	Active Listening for Beginners	What active listening is, and why it's valuable
Email Writing	Email Communication: 10 Principles to Write Better Emails	How to write clearer, shorter, and more compelling emails
Critical Thinking	How to Solve Problems More Effectively	Learn a framework for how to break down your problems, Discover the five whys of how to solve complex problems
Working collaboratively	Working Remotely: Efficiently and Effectively	Stay organized, happy and productive while working remotely. Proven strategies for maximizing your ability to work from home to enjoy the benefits
Working collaboratively	Best Practices for Working Remotely	Employ the right tools to make sure you stay accountable and productive from home
Overall	Soft Skills: The Ultimate Career Boost	Problem Solving