42 MALAYSIA - ACADEMIC TRANSCRIPT

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Programme Batch: May - 2024
Student level: 11.34 out of 21

PROGRAMME DESCRIPTION

The 42 Programme is an intensive training course focused on computer science and software engineering. Through a unique learning approach, students work together on practical projects, gaining both hands-on experience and theoretical knowledge. Alongside technical skills, the program also nurtures important personal skills like problem-solving, working effectively in teams, and clear communication. Each student at 42 goes through an intensive 26-day selection process before being eligible for our 100% tuition free education.

PROGRAMME STRUCTURE

The 42KL programme is structured in two main levels to guide students through their learning journey.

Core Programme (Levels 1-9): This is the foundational stage where students learn the essentials of computer science and software engineering. It covers a wide range of topics to build a strong base, preparing students for more advanced challenges.

Advanced Programme (Levels 9-21): After completing the Core Programme, students progress to the Advanced Programme. This stage dives deeper into specialized areas, allowing students to hone their skills and knowledge in specific fields of interest. Each level is designed to progressively build on the previous one, ensuring a comprehensive learning experience.

Project	Coefficient	Grade
Libft	11 XP	123%
ft_printf	21 XP	125%
get_next_line	21 XP	125%
Born2beroot	13 XP	125%
Exam Rank 02	0 XP	100%
push_swap	44 XP	125%
so_long	23 XP	125%
pipex	27 XP	125%
minishell	67 XP	125%
Philosophers	80 XP	125%
Exam Rank 03	0 XP	100%
CPP Module 00	0 XP	100%
CPP Module 01	0 XP	100%
CPP Module 02	0 XP	100%
CPP Module 03	0 XP	100%
NetPractice	75 XP	100%
Exam Rank 04	0 XP	100%
CPP Module 04	230 XP	80%
cub3d	137 XP	125%
CPP Module 05	0 XP	100%
CPP Module 06	0 XP	100%
CPP Module 07	0 XP	100%
CPP Module 08	0 XP	100%
Exam Rank 05	0 XP	100%
CPP Module 09	239 XP	100%
webserv	515 XP	125%
Inception	239 XP	100%
Exam Rank 06	0 XP	100%
ft_transcendence	580 XP	125%

ABOUT 42 MALAYSIA

42 Malaysia is a non-profit nation-building programme organized by Sunway Education Group in collaboration with Khazanah Nasional Berhad. It is part of the global 42 Network, which began in Paris in 2013 and now has over 50 campuses worldwide. 42 Malaysia is committed to fostering a more inclusive, caring, and united society through innovative education and the promotion of digital technology.

Verified by,

Thila Vijayan
Head of Academics & Learning Experience Designer
42 Malaysia - Sunway Education Group

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APPENDIX

Project	Description
Libft	This project is your very first project as a student at 42. You will need to recode a few functions of the C standard library as well as some other utility functions that you will use during your whole cursus.
ft_printf	This project is pretty straightforward, you have to recode printf. You will learn what is and how to implement variadic functions. Once you validate it, you will reuse this function in your future projects.
get_next_line	Whether it's a file, stdin, or even later a network connection, you'll always need a way to read content line by line. It's time to start working on this function, which will be essential for your future projects.
Born2beroot	This project aims to introduce you to the wonderful world of virtualization.
Exam Rank 02	
push_swap	This project involves sorting data on a stack, with a limited set of instructions, and using the smallest number of moves. To make this happen, you will have to manipulate various sorting algorithms and choose the most appropriate solution(s) for optimized data sorting.
so_long	This project is a small 2D game with minilibx. You'll learn about textures, sprites and tiles.
pipex	This project aims to deepen your understanding of the two concepts that you already know: Redirections and Pipes. It is an introductory project for the bigger UNIX projects that will appear later on in the cursus.
minishell	The objective of this project is for you to create a simple shell.
Philosophers	This project aims to teach concurrent programming, focusing on multithreading and multiprocessing.
Exam Rank 03	
CPP Module 00	This first module of C++ is designed to help you understand the specifities of the language when compared to C. Time to dive into Object Oriented Programming!
CPP Module 01	This module is designed to help you understand the memory allocation, reference, pointers to members and the usage of the switch in CPP.
CPP Module 02	This module is designed to help you understand Ad-hoc polymorphism, overloads and orthodox canonical classes in CPP.
CPP Module 03	This module is designed to help you understand inheritance in C++.

NetPractice Exam Rank 04	NetPractice is a general practical exercise to let you discover networking.
CPP Module 04	This module is designed to help you understand subtype polymorphism, abstract classes, and interfaces in C++.
cub3d	This project is inspired by the world-famous eponymous 90's game, which was the first FPS ever. It will enable you to explore ray-casting. Your goal will be to make a dynamic view inside a maze, in which you'll have to find your way.
CPP Module 05	This module is designed to help you understand Try/Catch and Exceptions in CPP.
CPP Module 06	This module is designed to help you understand the different casts in CPP.
CPP Module 07	This module is designed to help you understand Templates in CPP.
CPP Module 08	This module is designed to help you understand templated containers, iterators and algorithms in CPP.
Exam Rank 05	
CPP Module 09	This module is designed to help you understand the containers in CPP.
webserv	This project is here to make you write your own HTTP server. You will be able to test it with a real browser. HTTP is one of the most used protocol on internet. Knowing its arcane will be useful, even if you won't be working on a website.
Inception	This project aims to broaden your knowledge of system administration by using Docker. You will virtualize several Docker images, creating them in your new personal virtual machine.
Exam Rank 06	This project will evaluate your abilities and knowledge about programming.
ft_transcendence	This project is centered around the design, development, and organization of a full-stack web application.