Introduction to Unix

**INTRODUCTION TO**

**UNIX**

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**PREFACE**

UNIX is one of the most popular multi-user, multi-tasking operating systems currently available.

This book is a practical guide to UNIX operating system.

The book is of introductory nature and should provide an invaluable source of reference for the students who wish to use the UNIX operating system. The book is recommended to the first year students at the Near East University who are required to do programming exercises using the UNIX operating system.

The book should also be extremely useful as a self-teaching aid to a practising professional who is new to tile UNIX operating system.

All of the examples presented in the book have been tried and tested on the UNISYS 6000/35 series mini computer of the Near East University, running the AT&T UNIX operating system.

The book covers many aspects of the UNIX system from the user's point of view and it assumes that the users are familiar with the modern computing terminology.

The chapters are organised such that the topics in a chapter are dependent in many cases upon the topics in the previous chapters and as a result of this chapters should not be skipped.

The first chapters introduce users to the UNIX operating system along with some commonly used system commands. The program editor is then described in great detail. The book

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finalfy describes how programs can be developed using tile UNIX program compilers.

The recommended method of study is such that the students should have access to a UNIX terminal while solving the exercises.

I am grateful to my wife who typed the entire manuscript and also checked for errors.

**Dr. Dogan Ibrahim**

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**INTRODUCTION**

UNIX is currently the industry standard multi-user, multi­tasking operating system which has been implemented on many different computers ranging from personal computers to mini and mainframes. Although there are some differences between these various versions, the main operating system and the commands are basically the same. The most popular personal computer versions of UNIX are known as XENIX, ONX, and SCO UNIX and these operating systems are true multi-user, multi-tasking systems running on the 80386 and 80486 type hardware. An 80386 type personal computer can be turned into a powerful multi-user system by the addition of an intelligent terminal interface card and the UNIX operating system.

The UNIX system has been very successful and there are thousands of UNIX systems in use throughout the world in universities, government offices, laboratories and in industrial organisations.

The UNIX system provides a very rich set of user commands and most of these commands can be combined to obtain more powerful commands.

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