

INTRODUCTION

We are familiar with the number system in which an ordered set of ten symbols 0 through 9, known as digits, are used to specify any number. This system is popularly known as decimal system. The radix or base of this number system is 10 (number of distinct digits). Any number is the collection of these digits. For example 1982.365 signifies a number with an integer part equal to 1982 and a fractional part equal to 0.365 separated from the integer part with a radix point. (.) also known as the decimal point. It is possible to have other number system also. some of the other commonly used number systems are; binary, octal, and hexadecimal number systems. These number systems are useful in digital systems like computers, microprocessors, etc. Therefore, the knowledge of these number systems is very essential in digital systems.