

Dt : 17/7/2023

faq:

define Environment Variables?

=>Environment variables are operating system variables which hold the information about software-components installed in ComputerSystem

=>These Environment Variables are categorized into two types:

(a)System Variables

(b)User Variables

(a)System Variables:

=>The variables related to ComputerSystem are known as System Variables.

=>The information in System Variables can be used by all users of ComputerSystem.

(b)User Variables:

=>The variables related to User are known as User Variables.

=>The information in User variables can be accessed by only individual user.

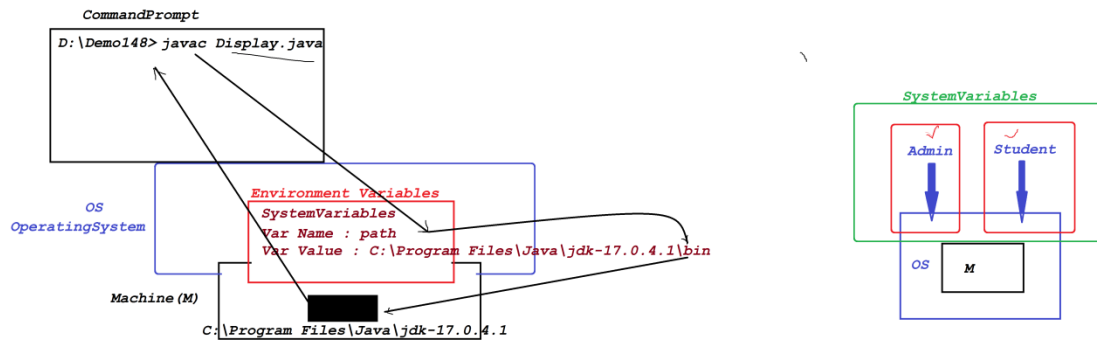
faq:

What is the advantage of having JavaPath in Environment Variables?

=>when we have JavaPath in EnvironmentVariables,then the programs can be

compiled and executed from any location of ComputerSystem.

Diagram:



***imp**

Naming Conventions in Java:

=>The Coding rules followed by the programmer in realtime are known as

Naming Conventions in Java.

packages:

def : packages are collection of classes and Interfaces

rule : packages must be in lowercase.

Classes and Interfaces:

def : Classes and Interfaces are collection of Variables and Methods

rule : In Classes and Interfaces the starting letter of every word must be capital letter.

Ex:

Balance

EmployeeSalary

Variables and Methods:

def : Variables are the data holders in the program.

Methods are the actions performed to generate result.

rule : In Variables and Methods the first word must be LowerCase and from Second word onwards the starting letter must be Capital Letter

Ex Variables:

panCardNo

rollNo

basicSal

Ex Methods :

add()

calculateSalary()

getEmployee()

Keywords :

def : *pre-defined words from the library are known as keywords or Built-in words*

rule : *Keywords must be in lowercase*

Ex:

static

void

public

if

...

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Datatypes in Java:

=>*The types of data which we are expecting as input to java programs are known as datatypes in Java.*

=>*Datatypes in Java are categorized into two types:*

1.Primitive Datatypes

2.Non-Primitive Datatypes

1.Primitive Datatypes:

=>*The "Single valued data formats" are known as Primitive Datatypes or Basic Datatypes or Fundamental Datatypes*

=>These Primitive datatypes are categorized into four types:

(a)Integer datatypes

(b)Float datatypes

(c)Character datatypes

(d)Boolean datatypes

(a)Integer datatypes:

=>The numeric data without decimal point representation are known as Integer datatypes.

=>Types:

(i)byte - 1 byte(8-bits)

(ii)short - 2 bytes

(iii)int - 4 bytes

(iv)long - 8 bytes

(b)Float datatypes:

=>The numeric data with decimal point representation are known as Float datatypes.

=>Types:

(i)float - 4 bytes

(ii)double - 8 bytes

(c)Character datatype:

=>The 'Single Valued Character' which is represented in single quotes is known as Character datatype

Ex:

'j','h','n',...

=>Types:

char - 2 bytes

(d)Boolean datatype:

=>The datatype which is represented in the form of true or false is known as Boolean datatype

=>Types:

boolean - 1 bit

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