ASSIGNMENT 4

1..Explore the DVM instructions and prepare a summary of the same.

S.No	Name	Mnemonic	Arguments	Description
1	array	array-length vA, vB	A: destination register (4 bits) B: array reference-bearing register (4 bits)	Store in the given destination register the length of the indicated array, in entries
2	throw	throw vAA	A: exception bearing register(8 bits)	unconditionally jump to indicated instruction
3	nop	nop	-	Waste cycles
4	return	return-void , return vAA,return-object vAA	usually a return value	Return from a method of specified type
5	move	move-object vA,vB	A: destination register (4 bits) B: source register (4 bits)	Move the contents of one object-bearing register to another.

2.Differences between cloud computing and mobile computing.

Category	Cloud Computing	Mobile Computing
Definition	Cloud computing is an expression used to describe a variety of computing concepts that involve a large number of computers connected through a real-time communication network.	Mobile computing is a type of human-computer interaction by which the computer is expected to travel about during normal usage.
Target machines	Powerful desktops and laptops.	lightweight portable cell phones,Tablets.
Examples and Basic instance	Amazon Web Services - basic instance is a Virtual Machine	Google's Android Operating System - basic instance is an individual phone/tablet.

3.Give an example of an application using context-aware computing and justify.

Everytime we visit http://www.google.com on a mobile device, we are prompte with a request to "use your location". Google uses this data to filter each of its search results based on the location of the user.
Everything from places - cinemas , cafe's and landmarks ; to Youtube videos , image results , suggestions , offers and advertisements.
For example , searching for "pizzeria" should not pull results from NY or Chicago if the user is in India. Also , advertisements will cater to products available in India and not elsewhere.
Thus the application understands the user's context - in this case his geolocation - and uses it to alter its processing.

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