

# 10CS403-Mobile Systems Engineering

## Assignment 3

### 1. DVM Instructions

Instruction Name	Syntax	Example
Move	move vx,vy	move v0, v1
Return value	return vx	return v0
Throw exception Object	throw vx	throw v0
Go to	goto target	goto 0005 // -0010
Compare float values	cmpl-float	cmpl-float v0, v6, v7

### 2. Cloud Computing vs. Mobile Computing

Cloud Computing is a technology where services like infrastructure, platform, software and applications are offered to you on demand. You pay for what you use and the services themselves can grow and shrink as per usage and demand.

Whereas,

Mobile Computing is the ability to make all computing operations happen wirelessly and on the move. It also allows for communication, entertainment and productivity without being limited to a certain location.

### 3. An Application simulating an environment of context aware computing.

Google Now is a context aware application on Android mobile phones. You can ask it questions like:

“What is the weather?”

“How do I get home?”

“What is the score?”

The app responds appropriately based on the user’s location, time of the day, travel patterns, entertainment preferences and search history.