	Lab assignment 1
	group B
<b>→</b>	Title: Perform the operations using python on the Jacobook metrics dataset.
<b>→</b>	Objectives:
	a> To understand and apply the analytical concept of big data using python. b> To study detailed concepts of python.
<b>)</b>	spluance nonexistence:
	a> Ubuntu 14.04 / 14.10
	6> GINC C compiler
	c> Hadoop
	d> Java
	e> Python platform.
<b>→</b>	Problem statement:
	Perform the following operations using python on facebook metrics dataset.
	a) Create data subsets
	b) Morge data
	3 Sort data
	d> Iranspesing data
	> Shape and mushape data
	of south the water
<b>→</b>	Theory:
	a) Data rushaping:
	. It is about changing the way data is organised into xows and columns.
	Most of the time data processing in python is done by taking the input

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- there are situations when we need the data frame in a format that is different from format in which we received it.
- : emark ata bring rows and columns in data frame
- · We can join multiple vectors to execte a data frame using the abind ()
- · Also we can morge two data frames using bind() function.

  Merging data frames: We can morge two data frames by using the

  merge() function. The data frames must have some column names on which

  the merging happens.

## c> subset :

- · Subsetting vectors, matrices and data Jrames.
- · Return subsets of vectors, matrices or data frames ruhich meet conditions.
- · This is a generic function with methods supplied for matrices data frames and vectors (including lists).
- · Paackages and rosexs can add Jurther methods.
- · For ordinary vectors, the result is simply of subset of lisma (subset).

## d> Melting and costing:

- one of the most interesting aspects of R programming is about changing the shape of data in multiple sits steps to get a desired shape.
- The functions used to do this are called melt () and cost ()
- · The most function takes data in wide format and stacks a set of columns into a single column of data.
- To make use of the function we need to specify a data frame, the id variables and measured variables to be stacked. The default assumption is that all columns are not specified as id variables.

	d> sexting the data:
	· To part a data frame in R, we use the order function.
	· By default, sorting is ascending propered the sorting variable by a
	minus sign to indicate descending vorder.
<b>→</b>	Conclusion: Thus, we have learnt to perform different reshape operations
	using python.
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