

Codathon -1

Track : Java

Date: 2 November, 2014

Time: 10 AM – 4PM

Place: PGD Lab, Library Building, SUST

Organized By: SCDN Lab

Task: 1

Given three ints, a b c, one of them is small, one is medium and one is large.

write a method called "evenlySpaced" which will

return true if the three values are evenly spaced,

so the difference between small and medium is the same as the difference between medium and large.

Sample Input/Output:

`evenlySpaced(2, 4, 6) -> true`

`evenlySpaced(4, 6, 2) -> true`

`evenlySpaced(4, 6, 3) -> false`

Task: 2

Consider a full name as input

if the last name is Khan or Hussein print Male and

if the last name is Begum or Akhtar print Female

Sample input :Nazmul Hussein

Sample output:Male

Task: 3

Scan & print in 5 many different ways

Task: 4

Consider a string as input and print variable if the string satisfied all the condition of a variable else print not variable

Sample input :test1test

Sample output:variable

Sample input :1test

Sample output:not variable

Task: 5

Suppose there is a database named student
and in this database there is two table

1) std_inf(name, reg, dept)

2) home_district(reg, district)

Design a GUI with a text area, and 3 button.

a) execute button: this will execute a query(i.e. insert into std_info values(", 201....,")....)given in the text area.

b) show button : This will open a new Frame and Display the tables

c) close Button: This will terminate the total program..

Task: 6

Consider a file path as input and print the file name without extension as output

Sample Input :C:\Users\Admin\Documents\test.java

Sample Output:test

Task: 7

Input : Name, Age ; Output : Hello Group is (Group_NAME)

Age(1-10)>New Born; Age(11-20)>Teen; Age(20-30)>Young

Build this Project using JOptionPane

Task: 8

Create 1 Java Class having 5 Methods

Create a object of that class in another Class having main method and call the functions

Task: 9

Print first occurrence of a string from another string

Sample Input1 :Test one two one three

Sample Input2 :one

Sample Output :5

Task: 10

Create a Hello Word Java Class and Print Hello World !

Compile it from Command Prompt (cmd)