JAVA CORE
(DATA TYPES, DECISION MAKING, LOOPING, ARRAY, FUNCTION)

#1 : Assignment

WAP to Print Min and Max value for the primitive data types along with Memory Size

#2 : Assignment

WAP to input two numbers and perform command line operations to print addition, subtraction, multiplication, division, reminder where the arithmetic symbol is argument. Handle the error in case "arithmetic sign" is wrong

Sample Input (at commandline):

C:/foldername >> ProgramName 10   2   +

Sample Output:

Addition of 10 and 2 is 12.

#3 : Assignment

WAP to input any Number and show that which digit from the input number is max.

Sample Input:

Enter any Number : 73844022

Sample Output:

Here, I found "8" as Max Digit in "73844022"

#4 : Assignment

WAP to read 5 programming languages names at command line and print them in ascending order.

Sample Input:

C:/foldername >> ProgramName Python   Algol-c   Java   Cpp Html

Sample Output:

Your Input at Command Line : Python   Algol-c   Java Cpp Html
Sorted Names of Programming Langauges : Algol-c   Cpp   Html Java Python

#5 : Assignment

WAP to input n1 and n2 as integer. Print Numbers from n1 to n2. Define Switch Case menus as
"1. Even Number",   "2. Prime Number" , "3. Palindrome Numbers".
Take a choice from user and solve the requirement

#6 : Assignment

WAP to input an Array of 5 float values. Define a function to take array and one integer value as argument to search. Return Position of the search value in array and show the output. In Case the value is not exist in array then print the index number and array value which is near to search value

Sample Input1 :

Enter 5 Integer array values : 89.22 98.24 92.33 83.42 22.09
Enter value to Search :   83.42

Sample Output1:

"83.42" found at array position 3

Sample Input2 :

Enter 5 Integer array values : 89.22 98.24 92.33 83.42 22.09
Enter value to Search :   59.42

Sample Output2:

Oops "59.42" not found. But "83.42" is near to "59.42"

#7 : Assignment

WAP to input array contains 5 String values. Define a function which has String array argument. Return a new array which has "Strings which not contains any symbol and number".

Sample Input :

Enter 5 Strings : Minal   Admin@123   Vaidehi@gmail.com   Hello World   Deesha

Sample Output:

Here I found the String values which not contains Symbols and numbers

Minal, Hello World,   Deesha

#8 : Assignment

WAP to define a following functions

A. takeConstructionData()

to read the absolute measurements given by a civil engineer related to one of construction project. They are contruction_name in String, area in sq.ft in float, estimate_time in days in integer, estimate_cost in doller in float.

The function creates its object by using "Object" class and return.

B. submitConstructionData()

Takes Object-Type argument and print all the details. Calculates and show the service charge amount as per the following condition

1. estimate_time >= 300 days then service charge

#9 : Assignment

WAP to enroll admission for College Students by defining following functions.

1. enrollStudent()
    read student name, highest qualification, scored marks, university name
    create object array of these details using "Object" class from lang package.
2. validateInput()
    function takes argument of type "Object" array and check each value is entered correctly or not.

    Validation Requirement
    Name should not contain symbols and numbers, qualification should be either [ssc,hsc,graduate,post graduate], scored marks should be in 1 to 100, university name should not contains numbers and symbols except .(dot).
    Function should return following error code by occurrence for wrong input

Error Code	For
-1	Everything correct
101	Invalid name
102	Invalid Qualification
103	Invalid Scored Marks
104	Invalid University Name

    In function enrollStudent() call function validateInput() and prompt error message.

Sample Input1:

Enter Student Name :Rishi

Enter Highest Qualification :Hsc
Enter Scored Marks :87.45
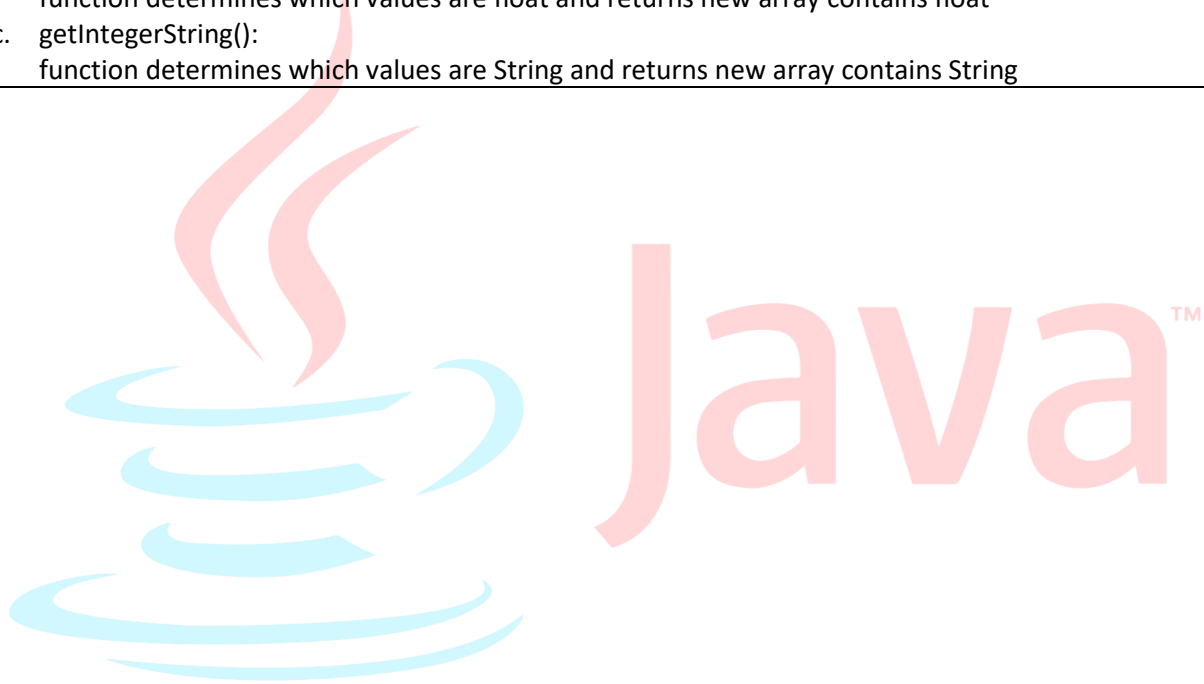Enter University Name :Hyderabad

Sample Output1:
Student Registration Successful

#10: Assignment
WAP to define a single array where you store 10 values of type string , integer and float.
Define a following function having argument of type array

a. getIntegerValues():
   function determines which values are integers and returns new array contains integers
b. getFloatValues():
   function determines which values are float and returns new array contains float
c. getIntegerString():
   function determines which values are String and returns new array contains String