**PENTAFOX INTERVIEW QUESTIONS**

**1,** Create a method/funcon to check whether the given 2 strings are anagram to one another or not. Return true if they are anagram.

import java.io.\*;

import java.util.Arrays;

import java.util.Collections;

class anagram{

static boolean areAnagram(char[] str1, char[] str2)

{

int n1 = str1.length;

int n2 = str2.length;

if (n1 != n2)

return false;

Arrays.sort(str1);

Arrays.sort(str2);

for (int i = 0; i < n1; i++)

if (str1[i] != str2[i])

return false;

return true;

}

public static void main(String args[])

{

String str1="abcd";

String str2="dbca";

if (areAnagram(str1, str2))

System.out.println("True");

else

System.out.println("False");

}

}

**2,** Return the sum of the prime numbers between given range (including given numbers). Eg., Input: 3 & 60. Output should print the sum of all the primes lying between 3 & 60

public class primesum {

public static void main(String[] args)

{

int i, n, count,sum=0;

for(n = 3; n <= 60; n++)

{

count = 0;

for (i = 2; i <= n/2; i++)

{

if(n % i == 0)

{

count++;

break;

}

}

if(count == 0 && n != 1 )

{

sum+=n;

}

}

System.out.print(sum);

}

}

**3,** ○ Return the total number of days from the date given to ll now. Eg., Input: 24-01-1995 & Output should return the total days

import java.time.LocalDate;

import java.time.Month;

import java.time.temporal.ChronoUnit;

public class pentafox3 {

public static void main(String[] args) {

LocalDate currentdate= LocalDate.now();

LocalDate givendate=LocalDate.of(1995,Month.JANUARY,24);

long diff=ChronoUnit.DAYS.between(givendate,currentdate);

System.out.println(diff);

}

}

**4,** Create a simple encrypon program. - Eg., Input: Hi awesome! Output: H#9\_a#23#5#19#15#13#5! - Replace each character with the correct alphabecal order number except the first character of each word. Eg., Hi -> H#9 (add # before every number) - Replace spaces with \_

public class pentafox4 {

public static void main(String args[]){

String s="Hi awesome";

String[] arr = s.split(" ");

for (String a : arr)

for(int i=1; i<a.length();i++){

char c=a.charAt(i);

int ascii = c;

System.out.print("#");

System.out.print(ascii-96);

}

}

}

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