

## \*JAVASE FUNDAMENTALS\*

## **ASSIGNMENT - 2**

## **SUBMITTED BY:**

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B.C.A -I.O.T.

```
(S1) Class Words In a stoing
      Public Static void roain (storing ang [])
         Scanner sc = new scanner (system.in);
          System. out. point in ("enter a story");
         Story sisc. near Line ();
     int count:0;
       for (int i=0) ix=(s.length()-1); i++)
       f
if((i>0) ss(s.charA+(i)!=")ss
               (s.eharA+(i-1)== ')) //((s.eharA+(i)!=1)
              88 (i==0))))
            count ++;
    system. out. pointin (" number of woods: "+count);
```

```
☐ C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.19043.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\jhaay\Desktop\java>javac java.java

C:\Users\jhaay\Desktop\java>java java enter a string
Ayush
number of words in a given string is :1

C:\Users\jhaay\Desktop\java>java java
enter a string
Ayush kumar jha is in dehradun
number of words in a given string is :6

C:\Users\jhaay\Desktop\java>_■

C:\Users\jhaay\Desktop\java>_■
```

Ayush Comer The

(92) package com company;

abstact class employees?

int total salary;

int Peductions;

abstract void net-salary();

class manager extends employee of

int total-salary = 5000;

int deductions = total-salary of 5/100;

void net salary () of

int net=salary = total-salary -deductions;

System.out.println("The net salary of

Mangeof io:" + net-salary);

class clerk entends employee &

int Total\_s along = 2000;

int deduction = total\_salary \*10/100;

void net\_salary() &

int net\_salary = total\_salary-deductions;

lystem\_rod.pointln ("The net salary

of clerk is:" + net\_salary);

3

```
Public class office of

Public state void main (string (string E) args) of

manager ma = new manager ();

ma.net_salary();

clerk d = new clerk();

cl. net_salary();

7
```

```
C:\Users\jhaay\Desktop\java>javac java.java

C:\Users\jhaay\Desktop\java>java java
Ayush kumar jha
Characters and their corresponding frequencies
A-1
y-1
u-2
s-1
h-2
k-1
m-1
a-2
r-1
j-1
C:\Users\jhaay\Desktop\java>_
```

Q3) import java. Util scanner; public class characters? public static void main Catoring [] args) { Scanner sc = new scanner (systemin); Storly Sto 2 Sc. nealLine (); int[] forg = new int[sto: length()]; char storag[] = sto. to char Array (); for (i=0; i-csto.khigh(); i++) } foeq [i]=1; for (j=i+1; jestr. sength(); j++) f if Cshing [i] == Shing [i])} forg[i]++; Shing[J]: b'; System out printin Characters and their

corosponding frequencies"); for Ci=O; ic foeg. length; i++) of if (shring[i]!= '188 Shring[i]!='0') System.out.pai. Hn Csoring [i]+"-" + fregti3);



```
5000 86400
04. import java. Util. Arrays;
                                        Payosh lowner The
      import java. otil. Arrays;
      public class Exception &
          public static void main (string[ ] args) knows
            System.out.pointln ("Enter the array size :-");
            Scanner Sc = new Scanner Csystem. in);
            int ale scinentento;
            int[] a= new int [a1];
           int value;
               for Cint i= 0; ical; i++) {
                  value =sc. nextEnt();
                   if (value co)
                        throw new java, lang. Exception ();
                 a[i] = value;
               System. out. printin (Arrays. to string (a));
            " catch Cjara. long. Exception e) &
                 System. out. point in ("Negative Size Exception
                                   found");
```

```
"C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-javaagent:C
Enter the array size :-
5
12
13
14
-11
NegativeSizeException Found
Process finished with exit code 0
```