SIES Graduate School of Technology

Assignment No. 1

Date : 1/ 1 1/ 12020

Q1)	Program 5 Hulhre of Jan
	Documentation: One can write comments here to understand
	Package statements A puckage is a group it closes
	defined by a name. In this, you can
	call of declare the package that will be
-	1 / alla 1 : A a chi de la markade la core
	Impost statement: Imposting certain package/closses
	Clos Definition: classes ase the main & essential elements of any Jova program
	Main Method: Every Java program lequire a main method us
	studing point of program
	Execution process
	Execution process i) The 'java' file is possed through the compiler,
	Which then encode the goulle code into bytero
	ii) the content of each class 15 stoned in serve
	day hle Exaution
	i) The main cluss is loaded into the memoly by
	possiny (class' file to JUM. All other classes a)
	louded through class loads.
	ii) After belecode is loaded it has he insented
	inspected by bytecode verities who checks that
	the instruction don't perform damaging action
	in) Now the baded by fecule is converted into
	the instruction don't perform damaging action in Now the laded by tecule is converted into machine a de for execution
(.)	1 1 126
(2)	In puckage ABC
	Muckaye ABC
	public cluss Operation { public void add linta, int b) { int sum= a +5; Sor(sum); } Page No.
	The ple class obstations

```
public void sub (int a, intb) {

int sub = a - b;

sol (sub);
Main dass
 Intert
impost ABC. A;
public class Package {
      psmv (54ins[] orgs) {
operations o= new operations();
o add (5,5);
        0.506/6,3);
cluss complex {
      complered {}
      complex (int temp Reul, int temp Imag)
          West - Loop Reali
         imaginory= temp Imay;
      complex (in themp Real) {
         deat templeal
         imaginory 2 Temp Real
      (complex add (complex C, complex C) {
            complex kimp = new complex ().
            temp reul = C1. real + (2. real;
            femp imaginary 2 Cl. imaginary + Cz. imaginary,
            ochurn femp;
       ?
                                                       Page No. /
```

	SIES Graduate School of Technology	Subject :Roll No.:
	Assignment No.	Date : / /
	complex sub (complex C, complex CZ,){
	complex temp= new complex	/;
	temp. 100/= C1.864/ = C2.ra/;	- () - imay hand
	ferny inaginoly = climaginary perturn temp.	(c-frighting)
	Jan	
	public stacic void main (Stringl) arest	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	complex cd = new complex (5, complex C2 = new complex c)	7),
	compley (2 = naw complex)	
	complex (3 = now complex (),	1/16
	(3 = C3. add(C1, C2); SOR(C3. real + "+" + C.	4
	SOR(c3. real + "+" + C	3. inay hory + (i)
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Complex C4 = new complex!	
	C4= C4.54b(C1, (2);	
	507 (C4. real + "+ C4. Inayino	19 + (1;11);
	?	Agrana maga
4	class count {	A Property of the Property of
	15m V (String () axes) {	
	int upper=0, number=0;	
	int bonner 20, specialchor =0;	
	Genna 5 = new Sconner ();	
	String str,	
	sh = s_newtine	10
	. for (int 120, ic str. look (); it	+){
	Chap ch = str. char At(i);)
	if (ch >= 'A' 88 ch≤='\\ "pp-\" + +;	
	else if (ch 7= 'a) 88 (4 = = 21)
	mor ++ ·	

Page No. /

else of (ch 7= '0' 88 ch <= '9')

number +t;

else s speialchor tt; SOR ("long" + long); SOR ("appr" + apper); 307 ("Number" + upper); 05) Wrupper class a) A wrapper class is one whose object wrap of contains primitive data types. When we create an object to a wropper class, it contains a fee field b in this we can worp a primitive value into wrapper class object String Buffer Class

A string Buffer Class is similar to string but

has a lot more functionly string are fixed,

immutable, but a string Buffer represent character require Page No. /