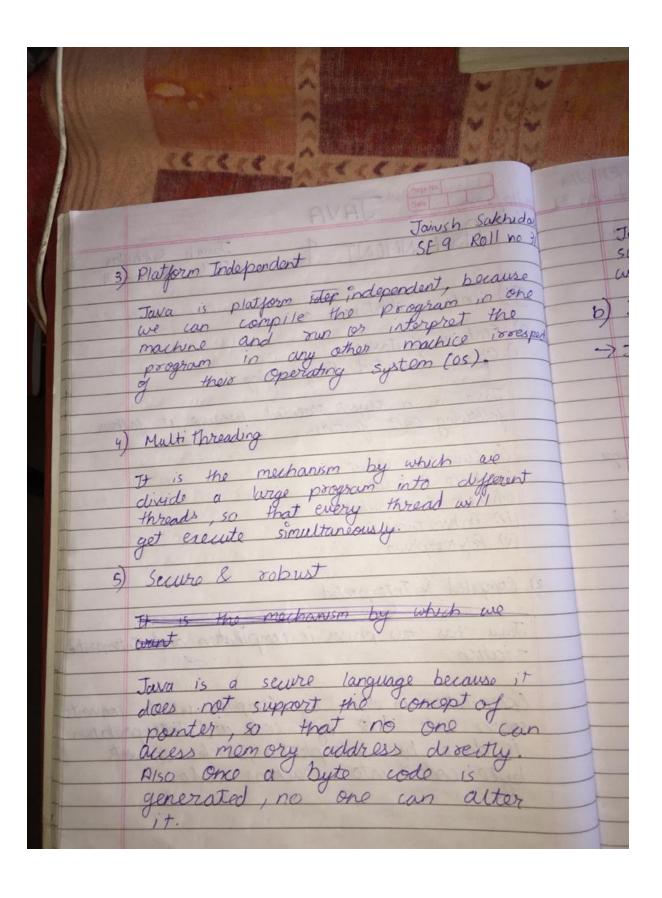
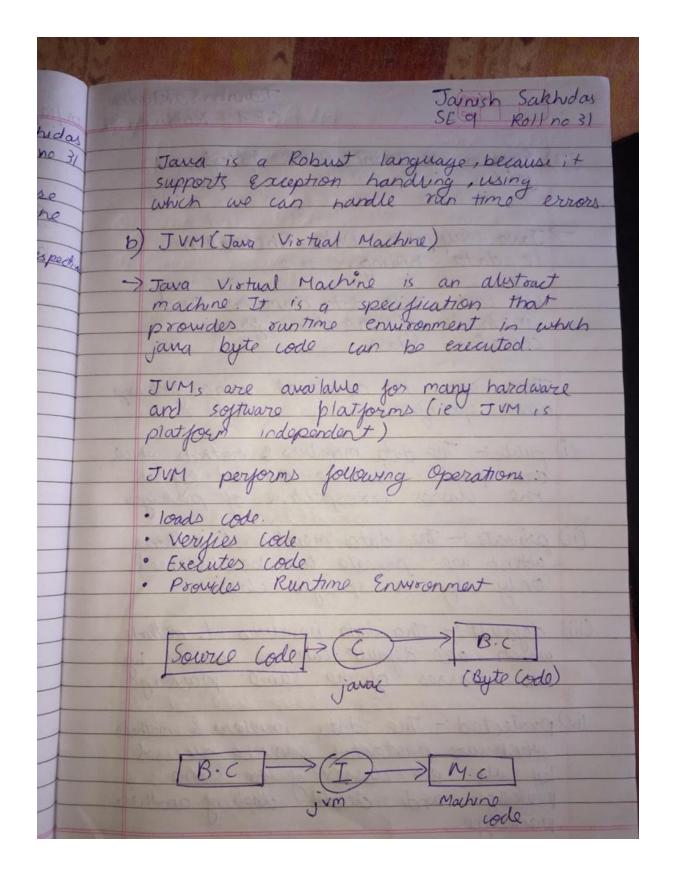
JAVA ASSIGNMENT 1 JAINISH SAKHIDAS SE9 ROLL NO 31

01/10/2020 JAVA Page No. Dass
ASSIGNMENT 1 Jansh Sukhidas SE9 Roll no 31
GI) write a short note on
a) Features of Java:- 1) Object Oriented Programming
Java is a Object oriented because it jollows jollowing our jeatures
(i) Class and Object (ii) Data Abstraction (iii) Data Encapsulation
(iv) Inheritance (v) Polymorphism
2) Compiled & Interpreted
Java has two phases ie compilation and Interpreted - tation
Compilation is done by compiler which converts source code into byte code and Interpretation is done by interpreter which converts byte code into machine code.





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Java Supports Data Abstraction ie data hiding. we can hide data members and methods of one class from	thai and
methods of one class from	to
This can be achieved using of	
(i) public: The data mombers & methods which	The
(i) public: The data members & methods which are public can be accessed by all the classes irrespective of packages (ii) private: The data members & methods which are private can be accessed only by a specific class	SK Ca O7 PC
(iii) default: - The date members & methods	11
(iv) protected: The data members & methods which are protected can be accessed	Ž
by all the classes of the same parkage and dirind class of another parkage.	2

Junish Sakhidas SE9 Roll no 31 Q3) Explain how to create user defined packages with example. User defined packages are the packages that are created and wood by users and are not provided by Java. To create user define package you need to include the below syntax in the first line of your code package (packagename); There should not be any main class in your package and your class should be public so that you can go use your package in any other program. Keeping your package class public is not a compulsion. 11 A. java Expublic word display()

System.out. println("I am in A".

Jourish Sakhiday SE 9 Roll no 3 Now you should compile A java a package named (jotder named)

property of the package PI there will

be a A. class yile. in -> STA & using user definal package 10 mo 1/ test. java 57 tin import Pl. *; in class test , public static void main (Strong args []) A a = new A(); a. dis play(); Output:-I am in A in the same folder where there is package Prand when you run the code you will get the above mentioned output.

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\	1 97	Differentiate betw	een
\	0) String	String buller
	7) String	String buyler
_) ->	String day is	> String Buffer Class is mutualle.
\		String class is immutable	mutuble
_	The same	Market Market Market	Keep and make as At the
_	\rightarrow	String is slow and	-> String Buffer is fast
_		consumes more	and consumes less
_		memory when you	memory when you
_		concat too many	concat strings.
	10000	Strings because every	I THE STATE OF THE
		strings because every	of toward and the
		instance	140 mersons
	\rightarrow	String dass overides	> Stoing Byfer was does
		the equals () method	not overide the equalse
		of Object class. So you	method of object class.
		can compare the	
		contents of two	
1		strings by equals())
-		me the	
+		method	
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	Array can store only same type of values	> vectors can store any type of objects
+	It is easy to sort	> It is not easy to soit
->	It is not dynamic its size cannot be	→ It is dynamic array whose size can be increased.
	increased.	
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	Out p.3	Million the streets
	an marray for	