

ASSIGNMENT NO. 1

61)	What is open source software? Need of oss? Advantages of open
	source system? (an open source sortware be used for commercial
	purpose?
-7	1) Open 5 ovace software loss) is computer software released under a
	license in which the copyright holder grants users the right to use,
	study, change and distribute the software and its source and to anyone
	and fox any purpose
	modification and distribution with its original rights.
	in) Programmers with arress to source code can change a program by
	adding to it, changing it or fixing parts that arren't working correctly.
	in Oss may be developed in collaborative public manner It is prominent
	example of open collabosation, meaning any capable uses can paraticipate
	in the development making the number of possible contributers
	indefinite. The ability to examine the code facilitates public toust in
	the software
	Need of Oss:
	Dopen Source Software is used extensively across businesses
	industries and individuals around the world
	The masket and demand for open source, sortionize are expanding
	avidely.
	3) Open source software provides a plotform for developers to
	contribute and leaven from others.
	Havantages of ass:
	1. Oss is very cost-effective to the majority of it is freely
	distributed.
	2. It provides high flexibility where the code can be folly accessed.



and customized. It is usually modulars, so vendores can twent parts of the code ox add features suited to their needs. 3. Open Source software embraces the volves of community collaboration and transportancy. It is backed by a diverse community of developers and is often regarded as withing edge of technology. 4. Open source software is highly sewer and reliable as their is a constant peer review by developers to close gaps in sewaither and volnexabilities. 5 The open source community uses a global collaborative approach to software development which helps drive innovation whose the knowledge is shaxed and the community benefits from the collective innovation. All open source softwares can be used for commercial proposes and can also be sold. Nowever any further restrictions must not be placed on the users who recives the software And in some cases the software must be distributed under the same livence as recieved. 0.2 What are the four important factors that led to the development or open source software? 1. Reliability: This is on impostant factors to consider. Being an iss, the poimary attribute it should have is reliablity of the product is built on a reliable ass, halt the river is crossed, and other is we that will obise can be managed or solved with relative ease 2. Support (both community - wise of commercially): Support for ass is vital - All OSS Yely on



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	talented and active suppost community. The community deides the				
-	progress of maintanance of the oss of the oss has strong				
	community support, share is better chance of rectiving help of all issues				
	one might face in the future with regards to the OSS.				
	3. license:				
	The OSS licence forms an integral part of the software and				
	has to be clearly defined before any we of the ass. A good ass				
	contains a well defined detailed license which will describe the terms				
	orditions fox contribution to the orgains development of the software				
4	your tre of the software as well as your incorporation of the				
	software into other packages.				
10	4 Accessibility and flexibility:				
	It is the one of the crucial factors in				
	consideration influencing the development of the open source				
	software. One of the major factors that have contributed to its				
	development is the need firs software that can be easily customized				
	to the meet business requirements.				
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)	Difference between free and open software				
	Free Software	_ Open Source Software			
	1. It was wined by the free	1. In response to the restrictions of free			
	software foundation in 1980s.	softunce, the term "open sware" was			
		coined in the late 1990's.			
	2. Software is an important part	2. Software is just software. There			
	or people's lives.	are no ethics associated with it.			

3. Software freedom translates to

3. Ethics are to be associated with



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	Free Software	Open Source Software
	social freedom	people 2 not software
	6. Freedom is a valve that is more important than any economical advantage:	4 freedom is not an absolute concept freedom should be allowed not imposed.
	5 Every free software is open	5. Every open source software is not free software:
	6 There is no such issue with free softworke	6. There are many different open Source soft-rive livenses and some of them are quite restricted results in open source software is not free.
•	7 No restrictions are imposed on bee software.	imposes some constraints on users
	8 Examples: The linux hornel, the BSD and linux operating system, the GNU compilex collection etc.	8. Examples: Apache MITP server, open source. commerce, mozilla firefox, chronium, etc