15/08/2020

PRACTICAL NO : 2

Description: Unit testing is a level of software testing where individual units/components of software are tested.

Aim: To write a test case for unit testing.

Unit Testing is done during the development of an application. by the developers. The purpose is to validate that each unit of software code perform as expected. It is a first level of testing done befor in tegration testing in SDLC, STLC, and V Model. It is a white box testing technique that is usually perform by the developer.

Unit Testing acce important because:

Its help to fin bugs early in the development cycle and save costs

. It helps the developer to understand the code base and enables them to make changes quickly

Grood unit testing serve as project do cumentation.

It also help with code re-use and Migrate both code and your test to your new project. Tweak the code until the test own again.

Unit testing are of two types Manual and Automated. Unit testing is commonly automated but may still be performed manually.

Unit Testing techniques include one used in united testing that agree listed below:

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	Statement Coverage of many 19
	Decision Coverage
	Branch: Coverage 21 polled link scott grand
	Condition Coverage
	Finite State Machine Coverage
	the case for court a test a sector court testing
	There are several automated tools available to assist
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•	testing is SDIC STIC and Workel I AMME
monte	PHPUnit is that supinded technique that is timenty
	Leg the denelopes
	Some of the benefits of unit testing they agre:
•	It in crease confidence in changing/maintaing code.
	Codes are more remable 2001 st et de 21.
	Development is faster and debugging is easy.
lar.	Codes are more reliable and the cost of fixing
	a defect detected during unit tenting is less en compare to defect at higher level.
and the second	to defect at higher level. was and time hard.
slas	the storpies and see use and estable to
	and your test to your new project Track the
	the feet sum again
Janach	count best to sept paint tial
	and delegated that texting is commonly automated
	may still be performed marville
at home	
	with testing that core well below.
Sundaram	FOR EDUCATIONAL USE