

Ans to or no 3Differences between white and black box test

Black box	White box
1. Internal knowledge is unknown.	1. Internal knowledge is known
2. It is data driven, functional	2. It is code based and structural.
3. Known as closed box test	3. Known as clear box test
4. Need less time	4. Lots time required
5. Trial and error based	5. Internal boundaries are tested

Ans to or 2

Unit test is a white box test where small chunk of codes are tested by testers at a time. ex: methods.

Stress testing: ① testing in abnormal situations. ex: taking away resources
② Overloading the system to find break point.

TOPIC NAME : _____

DAY: _____

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Ans to Q 1

(a) For login system - ~~so~~ singleton pattern should be used because only one instance is created and passed on to other classes. It falls under creational pattern where creation instance logic is hidden and method returns the instance to other classes.

(b) For payment gateway - Adapter pattern should be used. Since the adapter class has to convert the existing ~~an~~ interface to be compatible with the target, new interface. Here existing system is adapter. It is a structural pattern as it involves ~~extending~~ structure of class and instance.

(c) For weather monitor - observer pattern should be used which falls under behavioral pattern. Here, when the subject weather class changes, the connected various devices which are observers will be notified and changed. Since many devices are connected to one subject class, it's an observer pattern.