Black, Grey and White Box Testing Mcqs:

1) Which of the following is a characteristic of white box testing?
a) The internal structure of the system is not known to the tester
b) The internal structure of the system is known to the tester
c) Only the inputs and outputs of the system are tested
d) The system is tested without any test cases

Answer: b) The internal structure of the system is known to the tester

2)Which of the following is an advantage of white box testing?
a) It is easy to perform
b) It can find errors that cannot be detected by black box testing
c) It does not require any knowledge of the system

d) It is always faster than black box testing

Answer: b) It can find errors that cannot be detected by black box testing

3)Which of the following is a white box testing technique?
a) Boundary value analysis
b) Equivalence partitioning
c) Statement coverage

d) Cause-effect graphing

Answer: c) Statement coverage

4)Which of the following is a white box testing tool?
a) Selenium
b) JMeter
c) SonarQube

d) SoapUI

Answer: c) SonarQube

5)Which of the following statements is true about white box testing?
a) It is always more effective than black box testing
b) It can only be performed by developers
c) It can only be performed at the end of the software development lifecycle

d) It is used to verify the internal logic of the software

Answer: d) It is used to verify the internal logic of the software.

6)Which of the following is a characteristic of black box testing?
a) The internal structure of the system is known to the tester
b) The internal structure of the system is not known to the tester
c) Only the inputs and outputs of the system are tested
d) The system is tested without any test cases

Answer: b) The internal structure of the system is not known to the tester

7)Which of the following is an advantage of black box testing?
a) It can find errors that cannot be detected by white box testing
b) It is faster than white box testing
c) It is always more effective than white box testing

d) It does not require any knowledge of the system

Answer: d) It does not require any knowledge of the system

8)Which of the following is a black box testing technique?
a) Decision coverage
b) Statement coverage
c) Boundary value analysis

d) Cause-effect graphing

Answer: c) Boundary value analysis

9)Which of the following is a black box testing tool?
a) JUnit
b) Mockito
c) Postman

d) Selenium WebDriver

Answer: c) Postman

10)Which of the following statements is true about black box testing?
a) It is always more effective than white box testing
b) It can only be performed by developers

c) It is used to verify the internal logic of the software

d) It focuses on the behavior and functionality of the software

Answer: d) It focuses on the behavior and functionality of the software.

11)Which of the following is a characteristic of grey box testing?
a) The internal structure of the system is known to the tester
b) The internal structure of the system is not known to the tester
c) Only the inputs and outputs of the system are tested
d) The system is tested without any test cases

Answer: a) The internal structure of the system is known to the tester to some extent

12)Which of the following is an advantage of grey box testing?
a) It can find errors that cannot be detected by white box testing
b) It is faster than white box testing
c) It is always more effective than black box testing

d) It does not require any knowledge of the system

Answer: a) It can find errors that cannot be detected by white box testing

13)Which of the following is a grey box testing technique?
a) Decision coverage
b) Statement coverage
c) Data flow testing

d) Boundary value analysis

Answer: c) Data flow testing

14)Which of the following is a grey box testing tool?
a) Fiddler
b) JMeter
c) Selenium WebDriver

d) Wireshark

Answer: a) Fiddler

15)Which of the following statements is true about grey box testing?

a) It focuses on the behavior and functionality of the software
b) It can only be performed by developers
c) It is used to verify the internal logic of the software

d) It requires partial knowledge of the internal workings of the system

Answer: d) It requires partial knowledge of the internal workings of the system.

Black, Grey and White Box Testing short questions Answers:

What is grey box testing?

1. Grey box testing is a software testing technique that combines elements of both white box testing and black box testing. It involves testing the software with some knowledge of its internal workings, while also testing its functionality and behavior from the user's perspective.

What are some techniques used in grey box testing?

2. Some commonly used techniques in grey box testing include data flow testing, API testing, regression testing, and integration testing.

What are some advantages of grey box testing?

3. Some advantages of grey box testing include the ability to find errors that cannot be detected by white box or black box testing alone, the ability to test the software from both the user's perspective and the developer's perspective, and the ability to identify areas of the code that need to be optimized or refactored.

What are some tools used in grey box testing?

4. Some tools used in grey box testing include Fiddler, Appium, Postman, and Charles Proxy.

Who typically performs grey box testing?

5. Grey box testing is typically performed by developers or testers who have a good understanding of the software code and its internal workings, as well as the software's requirements and user behavior. It may also be performed by quality assurance engineers or software testing specialists.

What is black box testing?

6. Black box testing is a software testing technique in which the internal workings of the software are not examined by the tester. Instead, the tester focuses on testing the software's functionality and behavior by providing inputs and verifying outputs.

What are some techniques used in black box testing?

7. Some commonly used techniques in black box testing include equivalence partitioning, boundary value analysis, decision table testing, state transition testing, and exploratory testing.

What are some advantages of black box testing?

8. Some advantages of black box testing include the ability to test the software from the user's perspective, the ability to test the software without knowledge of its

internal workings, and the ability to identify errors in the software's behavior and functionality.

What are some tools used in black box testing?

9. Some tools used in black box testing include Selenium WebDriver, Postman, SoapUI, Apache JMeter, and Fiddler.

Who typically performs black box testing?

10. Black box testing is typically performed by quality assurance engineers or software testing specialists who have a good understanding of the software's requirements and user behavior. It may also be performed by end-users or business analysts who are not involved in the software development process.

What is white box testing?

11. White box testing is a software testing technique in which the internal workings of the software are examined by the tester. This involves testing the software code, logic, and structure to ensure that it functions as intended.

What are some techniques used in white box testing?

12. Some commonly used techniques in white box testing include statement coverage, decision coverage, condition coverage, path coverage, and loop coverage.

What are some advantages of white box testing?

13. Some advantages of white box testing include the ability to find errors that cannot be detected by black box testing, the ability to test all possible paths through the software, and the ability to identify areas of the code that need to be optimized or refactored.

What are some tools used in white box testing?

14. Some tools used in white box testing include SonarQube, JUnit, Mockito, Code coverage tools, and Static code analysis tools.

Who typically performs white box testing?

15. White box testing is typically performed by developers or testers who have a good understanding of the software code and its internal workings. It may also be performed by quality assurance engineers or software testing specialists.