

1	<p>We split testing into distinct stages primarily because:</p> <ul style="list-style-type: none"> a) Each test stage has a different purpose. b) It is easier to manage testing in stages. c) We can run different tests in different environments. d) d) The more stages we have, the better the testing.
2	<p>Which of the following requirements is testable?</p> <ul style="list-style-type: none"> a) The system shall be user friendly. b) The safety-critical parts of the system shall contain 0 faults. c) The response time shall be less than one second for the specified design load. d) The system shall be built to be portable.
3	<p>How many test cases are needed for multiple condition coverage of the following code</p> <pre> 1 = bz / uv * ii; pnu = -4; WHILE ((qu e) pnu > -9) { uh = vrq / ugr; pnu--; } </pre> <ul style="list-style-type: none"> a) 7 for multiple condition coverage b) 5 for multiple condition coverage c) 4 for multiple condition coverage d) 6 for multiple condition coverage e) other
4	<p>How many test cases are needed to cover conditions (branch condition) of the following code</p> <pre> b = -8; DO { cir = o + e - lj; b++; } WHILE ((bm && ce) b < -1); qg = -8; WHILE ((gi ra) qg < 3) { xdz = aby - p + q; qg++; } </pre> <ul style="list-style-type: none"> a) 5 for condition coverage b) 2 for condition coverage c) 4 for condition coverage d) 1 for condition coverage e) Other
5	<p>Which of the following is an analytical technique?</p> <ul style="list-style-type: none"> a) Error guessing b) Checklist-based testing c) Detecting memory leaks d) Exploratory testing
6	<p>Load testing focuses on:</p> <ul style="list-style-type: none"> a) Ability of a system to handle increasing levels of anticipated realistic loads resulting from the transaction requests generated by numbers of parallel users b) Ability of a system to meet future efficiency requirements c) Combinations of conditions which may result in a sudden extreme load being placed on the system d) Ability of a system to handle peak loads at or beyond maximum capacity

7	<p>A structure-based test design technique is also known as ...</p> <ol style="list-style-type: none"> Behaviour-based testing Black-box testing Defect-based testing White-box testing
8	<p>System testing should investigate:</p> <ol style="list-style-type: none"> Functional requirements only not non-functional requirements Non-functional requirements or functional requirements Non-functional requirements and functional requirements Non-functional requirements only, functional requirements
9	<p>One key reason why developers have difficulty in testing their own work is:</p> <ol style="list-style-type: none"> Lack of technical documentation Lack of test tools on the market for developers Lack of training Lack of objectivity Lack of test environment
10	<p>How many test cases are needed for statement coverage of the following code :</p> <pre> xot = 4; WHILE ((cqq rr) xot < 9) { om = wf * y; xot++; } IF ((v c) && le) { vj = k / d - spy; } </pre> <ol style="list-style-type: none"> 1 test case 2 test cases 3 test cases 4 test cases 5 test cases 6 test cases 7 test cases 8 test cases
11	<p>How many test cases are needed for decision coverage of the following code?</p> <pre> tr = syx - oqz + prn; IF (yyq) { s = um / idh - pby; } ELSE { b = g * op; } </pre> <ol style="list-style-type: none"> 2 for decision coverage 3 for decision coverage 1 for decision coverage 4 for decision coverage Cannot be achieved
12	<p>Wild pointer does not</p> <ol style="list-style-type: none"> Point to a lost function Point to a lost object Point the unintended area of memory

	d) Point to random object/functions
13	<p>Typical defects that are easier to find in reviews than in dynamic testing are (select all correct answers):</p> <ul style="list-style-type: none"> a) Design defects b) Insufficient maintainability and incorrect interface specifications c) Deviations from standards d) Requirement defects e) Data flow issues f) Control flow issues
14	<p>Which sentence is true:</p> <ul style="list-style-type: none"> a) 100% condition coverage guarantees 100% of decision coverage b) 100% decision coverage guarantees 100% of condition coverage c) 100% statement coverage guarantees 100% of condition coverage d) 100% of condition coverage guarantees 100% of statement coverage
15	<p>Where functional testing may be performed?</p> <ul style="list-style-type: none"> a) At system and acceptance testing levels only b) At the acceptance testing level only c) At all levels above integration testing d) At all test levels
16	<p>Which of the following are characteristic of confirmation testing?</p> <ul style="list-style-type: none"> a) Confirmation testing is run only once b) Confirmation tests need not be maintained c) Confirmation testing is used after fixes have been made d) Confirmation testing is often automated
17	<p>Which are tools used to supply incorrect inputs to the software to ensure the software can cope with the fault?</p> <ul style="list-style-type: none"> a) Fault injection b) Generators c) Comparators d) Fault seeding e) Record / playback f) Attack g) Drivers
18	<p>Which of the following activities should be performed during the selection and implementation of a testing tool? Multiple choose.</p> <ul style="list-style-type: none"> a) Implement the selected tool on a project behind schedule to save time b) Identify coaching and mentoring requirements for the use of the selected tool c) Conduct a proof of concept d) Investigate the organisation's test process
19	<p>A structure-based testing design technique is also known as:</p> <ul style="list-style-type: none"> a) White-box testing b) Defect-based testing c) Behaviour-based testing d) Black-box testing
20	<p>Which of the following types of testing is most probable performed by test consultants at client's own locations?</p> <ul style="list-style-type: none"> a) Component performance testing b) Field testing c) Alpha testing d) System testing
21	What is test oracle?

	<ul style="list-style-type: none"> a) A high level document describing the principles, approach and major objectives of the organization regarding testing b) A source to determine expected results to compare with the actual result of the SW under test c) A document summarizing testing activities and results to report progress of testing activities against a baseline d) A high level metric of effectiveness and/or efficiency used to guide and control progressive test development
22	<p>How many test cases are needed to cover conditions (branch condition) of the following code?</p> <pre> IF (ur && rzh) { vnd = qi * yzd / qca; } IF ((e xxq) gzi) { gtx = iz + o; } ELSE { s = li - uw; } </pre> <ul style="list-style-type: none"> a) 2 for conditions coverage b) 3 for conditions coverage c) 6 for conditions coverage d) 4 for conditions coverage e) Any of listed above
23	<p>Consider the following code that accepts a request for a Fibonacci series of a certain size and prints that series.</p> <pre> main (){ int i, n, pp, p, c; printf("Enter element count: "); scanf("%d", &n); if(n < 0){ printf("No %d series!\n", n); n = -1; } else { printf("{"); pp = 0; p = 1; for(i = 0; i < n; i++){ c = pp + p; printf("%d ", c); pp = p; p = c; } printf("}\n"); } exit(n); } </pre> <p>How many tests are needed to achieve basis path testing coverage?</p> <ul style="list-style-type: none"> a) 4 b) 3

	<ul style="list-style-type: none"> c) 5 d) 2 e) This value cannot be determined
24	<p>Which of the following is not generally a job responsibility of a software tester?</p> <ul style="list-style-type: none"> a) Identifying test cases b) Preparing test data c) Executing tests d) Writing the functional specifications
25	<p>The test strategy that is informal and non-structured is:</p> <ul style="list-style-type: none"> a) Equivalence partitioning b) Validation strategy c) White box testing d) Ad-hoc testing
26	<p>The programs send bad data to devices, ignore error codes coming back, and try to use devices that are busy or aren't there. This is a:</p> <ul style="list-style-type: none"> a) Calculation error b) Functional error c) Hardware error d) System error e) User interface error
27	<p>Errors that are cosmetic in nature are usually assigned with which level of severity:</p> <ul style="list-style-type: none"> a) Fatal b) Low c) Serious d) Medium e) High
28	<p>What test document contains all the information about a specific test case, including requirements and the modules to be tested?</p> <ul style="list-style-type: none"> a) Test plan b) Test case specification c) Test design specification d) Test procedure e) Defect report
29	<p>Unit testing should be done by:</p> <ul style="list-style-type: none"> a) Testers b) End users c) Customers d) Developers
30	<p>Which statement is true about alpha and beta testing:</p> <ul style="list-style-type: none"> a) Both conducted on the same environment b) Beta testing is conducted on developer's environment c) Beta testing is conducted on customer's environment d) Alpha testing involves real customers
31	<p>Which software development lifecycle model will require to start Testing Activities when starting development activities itself:</p> <ul style="list-style-type: none"> a) Waterfall model b) Spiral Model c) V-model d) Linear model
32	<p>What are the testing levels?</p> <ul style="list-style-type: none"> a) Unit testing

	<ul style="list-style-type: none"> b) Integration testing c) System testing and acceptance testing d) All of the above
33	<p>Integration testing in the small:</p> <ul style="list-style-type: none"> a) Test the individual components that have been developed b) Tests interactions between modules or subsystems. c) Only uses components that form part of the live system. d) Tests interfaces to other systems.
34	<p>In a system designed to work out the tax to be paid: An employee has £4000 of salary tax free. The next £1500 is taxed at 10% The next £28000 is taxed at 22% Any further amount is taxed at 40% Which of these groups of numbers would fall into the same equivalence class?</p> <ul style="list-style-type: none"> a) £4800; £14000; £28000 b) £5200; £5500; £28000 c) £28001; £32000; £35000 d) £5800; £28000; £32000
35	<p>Which of the following is not true of incidents?</p> <ul style="list-style-type: none"> a) Incident resolution is the responsibility of the author of the software under test. b) Incidents may be raised against user requirements. c) Incidents require investigation and/or correction. d) Incidents are raised when expected and actual results differ.
36	<p>Enough testing has been performed when:</p> <ul style="list-style-type: none"> a) Time runs out. b) The required level of confidence has been achieved. c) No more faults are found. d) The users won't find any serious faults.
37	<p>Consider the following HTML code snippet in scope of Selenium webdriver</p> <pre><table> <tbody> <tr> <td>1</td> <td>2</td> </tr> <tr> <td>3</td> <td>4</td> </tr> </tbody> </table></pre> <pre>driver.findElement(By.xpath("//table/tr[1]/td")).getText();</pre> <ul style="list-style-type: none"> a) The above statement returns 1 b) The above statement returns 3 c) The xpath query is incorrect d) The above statement returns no elements e) The above statement throws an exception f) Webdriver statement is incorrect
38	<p>There are some myths prevalent amongst the prospective test engineers. Here are some of them:</p> <ul style="list-style-type: none"> a) Testing is easy

	<ul style="list-style-type: none"> b) Test engineers have no career growth c) Testing does not involve coding d) All of the above
39	Pick the best definition of quality: <ul style="list-style-type: none"> a) Quality is job one b) Zero defects c) Conformance to requirements d) Work as designed
40	Given the following program : If $x < y$ then Statement 1 else if $y \geq z$ then Statement 2 end McCabe's cyclomatic complexity is: <ul style="list-style-type: none"> a) 2 b) 3 c) 4 d) 5
41	Testing is not done to <ul style="list-style-type: none"> a) Find faults b) Improve quality c) Check user friendliness. d) Improve software accuracy
42	Which of the following would NOT normally form part of a test plan? <ul style="list-style-type: none"> a) Features to be tested b) Incident reports c) Risks d) Schedule
43	According to the ISTQB Glossary, the word 'bug' is synonymous with which of the following words? <ul style="list-style-type: none"> a) Incident b) Defect c) Mistake d) Error
44	What is the difference between Verification and Validation?
45	What is traceability matrix?
46	How to count defect leakage?
47	What 'good' test case should contain?
48	What is a difference between test strategy and test plan?
49	Write test cases for electric bulb☺
50	Write down OWASP TOP 10 (2013)

51. Zrób Code Review kody znajdującego się w pliku cr.py w głównym katalogu.

