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🌐 Dashboard / Software Engineering Concepts / Hands-On / Hands-On

Started on	Tuesday, 10 March 2020, 6:02 PM
State	Finished
Completed on	Tuesday, 10 March 2020, 6:05 PM
Time taken	2 mins 41 secs
Marks	8.00/10.00
Grade	**80.00** out of 100.00
Feedback	Congratulations!! You have passed by securing more than 80%

Quiz navigation

1	2	3	4	5
🟥	✓	🟥	✓	✓

6	7	8	9	10
✓	✓	✓	✓	✓

Show one page at a time

Finish review

Question 1

Incorrect

Mark 0.00 out of 1.00

⚑ Flag question

See the code below

```
    READ mark;
    IF(mark > 90)
            GRADE = 'A';
    ELSE IF(mark > 81 && mark < 90)
            GRADE = 'B';
    ELSE IF(mark > 71 && mark < 80)
            GRADE = 'C';
    ELSE IF(mark > 61 && mark < 70)
            GRADE = 'D';
    ELSE IF(mark < 60)
            GRADE = 'F';
    PRINT GRADE;
```

predict the number of independent paths to be tested.

Select one:
- ○ a. 9
- ○ b. 5
- ◉ c. 6 ✖
- ○ d. 8

Your answer is incorrect.

The correct answer is: 9
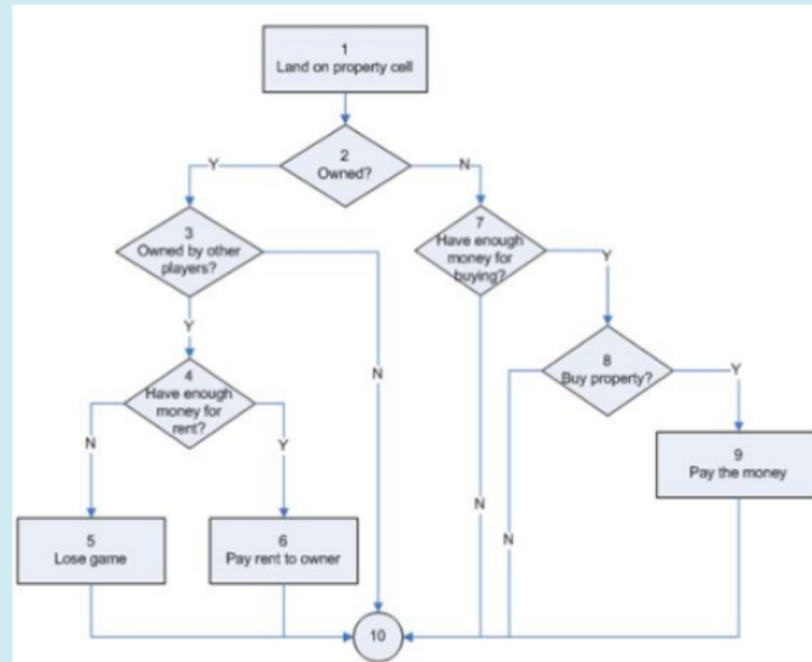
Question 2

Correct

Mark 1.00 out of 1.00

⚐ Flag question

Requirement:

If a player lands on a property owned by other players, he or she needs to pay the rent. If the player does not have enough money, he or she is out of the game. If the property is not owned by any players, and the player has enough money buying the property, he or she may buy the property with the price associated with the property

Find the mc cab's number for the following flowchart

Select one:

○ a. 5

○ b. 8

◉ c. 6 ✔

○ d. 7

Your answer is correct.

The correct answer is: 6

Question 3

Incorrect

Mark 0.00 out of 1.00

A module is designed for the retail shop to calculate the discount based on the customer type

a) privileged customer then 3% discount

b) normal customer then no discount

Design test cases using using equivalence partitioning for the above scenario

Select one:

○ a. Input   Expected Output
    Privilage Customer   13%
    Normal Customer   No Discount
    Gold Customer   Invalid

○ b. Input   Expected Output
    Privilage Customer   3%
    Normal Customer   No Discount
    Gold Customer   Invalid

○ c. Input   Expected Output
    Privilage Customer   3%
    Normal Customer   Invalid
    Gold Customer   Invalid

◉ d. Input   Expected Output
    Privilage Customer   3%
    Normal Customer   No Discount ✖

Your answer is incorrect.

The correct answer is: Input   Expected Output
Privilage Customer   3%
Normal Customer   No Discount
Gold Customer   Invalid

Question 4

Correct

Mark 1.00 out of 1.00

Derive the Cardinality between the student and the School.

A School has many students. The student belongs to a school

Select one:

○ a. M:M

◉ b. M:1 ✔

○ c. 1:M

○ d. 1:1

Your answer is correct.

The correct answer is: M:1

Question 5

.A retail shop has provided a discount sale on their products. A module for calculating discount for the total amount of purchase is decided by the following factors

a) below 5000 then no discount

b) 5000 to 20000 then 5% discount

c) 20001 to 50000 then 10 % discount

d) above 50000 then 15% discount

Choose from the below appropriate test cases using boundary value analysis for the above scenario

Select one:

◉ a.

Input	Expected Output
4999	No Discount
5000	5%
15000	5%
20000	5%
20001	10%
30000	10%
50000	10%
50001	15% ✔

◯ b.

Input	Expected Output
4999	No Discount
5000	10%
15000	10%
20000	5%
20001	5%
30000	5%
50000	10%
50001	15%

◯ c.

Input	Expected Output
4999	No Discount
5000	5%
15000	5%
20000	5%
20003	10%
30000	10%
50000	10%
50001	15%

◯ d.

Input	Expected Output
4999	No Discount
5000	5%
15000	5%
20001	10%
30000	10%
50000	10%
50001	15%

Your answer is correct.

Question 6

Correct

Mark 1.00 out of 1.00

⚐ Flag question

Which of the following statements are true for the below pseudocode

```
READ A,B,C
IF (A>B  AND  A>C)
        PRINT  "A Is Greater"
IF (B>A  AND  B>C)
        PRINT  "B Is Greater"
IF (C>A  AND  C>B)
        PRINT  "C Is Greater"
```

Select one or more:

- ☑ a. Condition when all the variables are given same value is not checked ✔
- ☐ b. There are no errors in the above code.
- ☐ c. AND should be replaced with OR
- ☑ d. Code would be more efficient if, if is replaced by else-if ✔

Your answer is correct.

The correct answers are: Condition when all the variables are given same value is not checked, Code would be more efficient if, if is replaced by else-if

Question 7

Correct

Mark 1.00 out of 1.00

⚐ Flag question

For the given code, identify the correct independent paths

Program for Search

```
{

  Binary Search Algorithm

      {
1.    int bottom = 0 ;
2.    int top = elemArray.length - 1 ;
```

```
           int mid ;
3.    r.found = false ;
4.    r.index = -1 ;
5.    while ( bottom <= top )
       {
6.        mid = (top + bottom) / 2 ;
7.        if (elemArray [mid] == key)
          {
8.           r.index = mid ;
9.           r.found = true ;
10.          return ;
          } // if part
          else
          {
11.       if (elemArray [mid] < key)
12.           bottom = mid + 1 ;
          else
13.           top = mid - 1 ;
          }
       } //while loop
14. } // Binary search
} //Search
```

Select one or more:

- a. 1, 2, 3, 4, 5,6, 7, 2, 11, 13, 6,…
- ☑ b. 1, 2, 3, 4, 5, 6, 7, 11, 12, 5,… ✔
- ☑ c. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 14

  ✔

- d. 1, 2, 3, 4, 5, 14,10

Your answer is correct.

The correct answers are: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 14

, 1, 2, 3, 4, 5, 6, 7, 11, 12, 5,…

Question 8

Correct

Mark 1.00 out of 1.00

Find the mc cab's number for the below code.

```
      if code is blank or not in database
            display "reenter code"
      else
            if no credit and amount < 500
```

```
                        display "credut not available"
                else
                        display "credit passed"
                end if
        end if
```

Select one:

○ a. 6

○ b. 7

◉ c. 5 ✔

○ d. 4

Your answer is correct.

The correct answer is: 5

Question 9

Correct

Mark 1.00 out of 1.00

A retail shop has provided a discount sale on their products. A module for calculating discount for the total amount of purchase is decided by the following factors

a)   below 5000 then no discount

b)   5000 to 20000 then 5% discount

c)   20001 to 50000 then 10 % discount

d)   above 50000 then 15% discount

Choose from the below appropriate test cases using equivalence partitioning for the above scenario

Select one:

○ a.

Input	Expected Output
2000	No Discount
7000	5%
30000	10%
60000	10%

○ b.

Input	Expected Output
2000	No Discount
35000	5%
30000	10%
60000	15%

◉ c.

Input	Expected Output
2000	No Discount
7000	5%
30000	10%

60000   15% ✔

○ d.

Input	Expected Output
2000	No Discount
7000	15%
30000	10%
60000	5%

Input	Expected Output
2000	No Discount
7000	5%
30000	10%
60000	15%

Question 10

Correct

Mark 1.00 out of 1.00

⚑ Flag question

An Employee is Allocated for the Project. Each Employee is described by the empId,Ename,designation and salary.Each Project is described by projID,ProjName,estimatedCost,Actual Cost.

For the above scenario identify the correct entities

Select one:

○ a. projID,empId,Employee

○ b. Project,projID,ProjName,estimatedCost,ActualCost

⦿ c. Employee,Project ✔

○ d. Employee,Project,projID,empId

Finish review